



CALENDAR 2015/2016

Agriculture | Architecture and Planning
Arts and Social Sciences | Computer Science
Engineering | Health Professions
Management | Science

DAL.CA



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Calendar 2015/2016

Undergraduate Calendar

Agriculture

Architecture and Planning

Arts and Social Science & Sciences

Computer Science

Engineering

Health Professions

Management

Important Notices

Students are advised that the matters dealt with in this Calendar are subject to continuing review and revision. The content of this calendar is subject to change without notice, other than through the regular processes of Dalhousie University, and every student accepted for registration in the University shall be deemed to have agreed to any such deletion, revision or addition whether made before or after said acceptance. Additionally, students are advised that this calendar is not an all-inclusive set of rules and regulations but represents only a portion of the rules and regulations that will govern the student's relationship with the University. Other rules and regulations are contained in additional publications that are available to the student from the Registrar's Office, and/or the relevant faculty, department or school.

Dalhousie University does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses or courses caused by reason of strikes, lockouts, riots, weather, damage to university property or for any other cause beyond the reasonable control of Dalhousie University.

Inquiries should be directed to:

The Registrar
Dalhousie University
PO Box 15000
Halifax, Nova Scotia
Canada B3H 4R2
Telephone: (902) 494-2450
Fax: (902) 494-1630
Email: Registrar@dal.ca

Other Programs

Information on programs offered by the Faculties of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, and Science can be found in the Undergraduate Calendar. Information on programs offered by the Faculties of Dentistry, Law, and Medicine can be found in the Dentistry, Law, Medicine Calendar. Information on Graduate programs can be found in the Graduate Studies Calendar.

A Statement of the Aims of Undergraduate Education at Dalhousie

Dalhousie University offers undergraduate education enriched by a longstanding institutional commitment to research and to graduate and professional education. The University tries to assist all its undergraduate students to become independent thinkers and articulate communicators, knowledgeable about their chosen disciplines or professions, conversant with a reasonable body of general knowledge, and committed to learning throughout their lives.

Dalhousie assists its students to learn how to think for themselves. Students in all disciplines and professions can expect to develop skills and attitudes crucial for logical and independent thought. The faculty strives to teach students how to think, rather than what to think, and to enable them to make fair-minded enquiries in their fields of study and into the broader ethical, cultural and social issues that shape our lives. An educated person thinks carefully, reconsiders received ideas, and leads an examined life. The development of these habits of mind is the primary goal of undergraduate study.

Dalhousie assists its students to learn to express themselves, orally and in writing with clarity, precision and style. It does so, not only because communication skills permit the efficient transfer of information, but also because they make possible dialogues which lead to new ideas and to deeper appreciation of existing knowledge. Because a communal effort to exchange ideas and information is at the heart of university life, students in all disciplines and professions need opportunities to develop their skills in writing and in speaking at all levels of the undergraduate curriculum.

Dalhousie assists its students to master a combination of specialized and general knowledge. The specialized knowledge acquired by undergraduates at Dalhousie varies from discipline to discipline and even from student to student. Such knowledge should include, not only data skills, but also an understanding of the theories, structures and processes central to the discipline or profession in question, and an awareness of their practical applications and ethical consequences. Undergraduate students at Dalhousie should become familiar with a significant body of general knowledge as well. All should become acquainted with concepts central to our own culture and those of others. All should acquire basic quantitative skills and some knowledge of the principles of science and technology. All should share a sense of history and an appreciation of achievements in literature, philosophy and the arts. Such general knowledge helps us not only to confront the practical demands of work and life, but also to comprehend more fully our experience of the human condition.

Dalhousie assists its students to develop the capacity for commitment to learning throughout their lives. Their educational experiences within and outside the classroom should be rich and diverse. By providing social, cultural, recreational and other opportunities for student involvement and leadership, Dalhousie acknowledges responsibility for promoting both personal and intellectual growth.

Approved by Senate, September 10, 1990

General Information

Academic Dates 2015/2016

ACADEMIC CLASS ADD/DROP DATES (For financial deadlines and refund dates, visit www.dal.ca/studentaccounts.)

Term Identifier	Part of Term Description	Duration of Classes	Last Day to Change and Add Classes for registered students	Last Day to Drop without "W"	Last Day to Drop with "W"
				Last Day to Change from Audit to Credit and Vice Versa	

Summer Term 2015

1(UG), 2(GR)	Full Term	May 4 - July 31, 2015	May 11, 2015	May 29, 2015	June 26, 2015
A	7-week Term	May 11 - June 26, 2015	May 15, 2015	May 25, 2015	June 10, 2015
D	3-week Term	May 11 - June 2, 2015	May 13, 2015	May 15, 2015	May 22, 2015
9	12-week Term	June 3 - August 24, 2015	June 16, 2015	June 30, 2015	July 28, 2015
E	3-week Term	June 3 - June 25, 2015	June 5, 2015	June 9, 2015	June 16, 2015
B	7-week Term	July 2 - August 20, 2015	July 8, 2015	July 17, 2015	August 4, 2015
F	3-week Term	July 2 - July 24, 2015	July 9, 2015	July 13, 2015	July 20, 2015
G	4-week Term	July 27 - August 19, 2015	August 4, 2015	August 6, 2015	August 13, 2015

Fall Term 2015

X/Y	Full Year Class	September 10, 2015 - April 6,	September 25, 2015	November 6, 2015	February 8, 2016
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		2016			
1 (UG), 2(GR)	Full Term	September 10 - December 8, 2015	September 25, 2015	October 9, 2015	November 6, 2015

Winter Term 2016

1(UG), 2(GR)	Full Term	January 4 - April 6, 2016	January 15, 2016	February 8, 2016	March 11, 2016
Q	4th-year Nursing	January 4 - March 11, 2016	January 15, 2016	January 25, 2016	February 12, 2016

Summer Term 2016

1(UG), 2(GR)	Full Term	May 2 - July 29, 2016	May 13, 2016	May 27, 2016	June 24, 2016
A	7-week Term	May 9 - June 24, 2016	May 13, 2016	May 20, 2016	June 6, 2016
D	3-week Term	May 9 - May 31, 2016	May 11, 2016	May 13, 2016	May 20, 2016
9	12-week Term	June 1 - August 23, 2016	June 10, 2016	June 28, 2016	July 25, 2016
E	3-week Term	June 1 - June 23, 2016	June 3, 2016	June 7, 2016	June 13, 2016
B	7-week Term	July 4 - August 19, 2016	July 8, 2016	July 20, 2016	August 5, 2016
F	3-week Term	July 4 - July 26, 2016	July 8, 2016	July 8, 2016	July 15, 2016
G	3-week Term	July 27 - August 18, 2016	July 29, 2016	August 2, 2016	August 8, 2016

Other Academic Dates

2015

May

Monday, 4	Co-op and Academic Summer term begins
Friday, 8	Faculty of Agriculture Convocation
Monday, 18	Victoria Day - University closed
Monday, 25 - Saturday, 30	Spring Convocations

July

Wednesday, 1	Canada Day - University closed
Thursday, 2	Last day to apply to graduate in October
Friday, 31	Co-op summer academic term ends

August

Monday, 3	Halifax/Dartmouth Natal Day - University closed
Tuesday, 4	Examinations begin commerce co-op, computer science & engineering
Saturday, 8	Examinations end except commerce co-op
Friday, 14	Examinations end commerce co-op

September

Monday, 7	Labour Day - University closed
Thursday, 10	Classes begin, fall term
Friday, 25	Last day to apply for honours programs
Friday, 25	Last day to change from Dalhousie to King's and vice versa

October

Monday, 5 - Tuesday, 6	Fall Convocations
Monday, 12	Thanksgiving Day - University closed

November

Wednesday, 11
Thursday, 12

Remembrance Day - University closed
Study Day (except students in Co-op Clinicals, or Internships)

December

Tuesday, 1
Tuesday, 8
Thursday, 10
Sunday, 20

Last day to apply to graduate in May
Classes end, fall term
Examinations begin
Examinations end

2016

January

Friday, 1
Monday, 4

New Year's Day - University closed
Classes begin, winter term

February

Friday, 5
Monday, 15 - Friday, 19

Munro Day - University closed * for some students and employees
Study break

March

Friday, 25
Monday, 28

Good Friday - University closed
Easter Monday **

April

Wednesday, 6
Saturday, 9
Saturday, 23

Classes end, regular session
Examinations begin, regular session
Examinations end, regular session

May

Wednesday, 2
Friday, 13
Monday, 23
Monday, 30 - Saturday, **June 4**

Co-op and academic summer term begins
Convocation (Faculty of Agriculture)
Victoria Day - University closed
Spring Convocations

July

Friday, 1
Saturday, 2
Sunday, 31

Canada Day - University closed
Last day to apply to graduate in October
Co-op Summer academic term ends

August

Monday, 1
Tuesday, 2
Saturday, 6
Friday, 12

Halifax/Dartmouth Natal Day - University closed
Examinations begin, commerce co-op, computer science and engineering
Examinations end, except commerce co-op
Examinations end, commerce co-op

* Students and employees on the Agricultural Campus should check online for up to date information.

** Students and employees on the Agricultural Campus should check online for up to date calendars.

Admission Dates 2015/2016

Final Dates for Receipt of Applications for Admission

Regular Session 2015/2016

Faculties of Arts and Social Sciences, Computer Science, Engineering, Management, and Science

Bachelor of Science (Medical Sciences)	March 15
International Students (except USA)	April 1
Students entering from Canada or USA ¹	June 1
Returning Dalhousie Students	August 15
Diploma in Meteorology	August 15

Faculty of Agriculture

Bachelor of Agriculture	July 1
Diploma in Veterinary Technology	February 28
All other programs	August 1

Faculty of Architecture and Planning

Bachelor of Community Design ¹	June 1
Bachelor of Environmental Design Studies	March 1

Faculty of Health Professions

Pharmacy	February 1
Social Work, Health Sciences	February 15
BSc (Recreation) ¹ , BSc (Kinesiology) ¹ , and BSc (Health Promotion) ¹	June 1
Health Services Admin (DHSA, DEHSM)	July 1
BSc (Nursing)	March 15

Dentistry²

DDS	December 1
Dental Hygiene	March 15
Dentistry Qualifying Program	September 1
Bachelor of Dental Hygiene (BDH)	March 15
Paediatric General Practice Residency Program	October 15

Medicine²

MD	August 15
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Law²

JD	February 28
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Winter Term

BA and BSc programs only	November 15
Returning Dalhousie Students ³	November 15
BEDS Transfer students	November 1

¹ Late applications may be considered but we cannot guarantee space in programs.

² Information on these programs is included in the appropriate calendar.

³ For students returning to the same undergraduate programs, or attending as Special Students in any faculty

NOTE: In order to be considered for entrance scholarships, applications for admission from high school students must be received by March 15 for most programs.

Definitions

The following definitions are intended to facilitate an understanding of the calendar and not to define all words and phrases used in the calendar which may have specific meanings.

Academic Dismissal

A student's required withdrawal from a program due to unsatisfactory academic performance.

Academic Program

A distinct group of courses and other requirements which lead to eligibility for a degree or other university-awarded credential.

Academic Terms

- Fall term: September - December
- Winter term: January - April
- Summer term: May - August
- Regular term: September - April

Advanced Standing

Students possessing advanced knowledge of a subject will be encouraged to begin their studies in that subject at a level appropriate to their knowledge, as determined by the department/school/college concerned. However, such students must complete, at Dalhousie, the full number of credit hours required for the particular credential being sought.

Audit Student

A student permitted to attend courses but not expected to prepare assignments, write papers, tests or examinations. Credit is not given nor is a mark awarded for courses. Courses appear on the transcript with the notation "Aud". If not already admitted to the University, audit students must apply. Students may register to audit a course only after the first day of courses.

Candidate

The term candidate for a doctoral degree is used to identify a student who has fulfilled all the requirements for the PhD except for the submission and defence of the thesis; thus, a candidate will have successfully completed the residency requirement, all course work, qualifying and comprehensive examinations (as applicable), and the thesis proposal defence (if applicable). This status is equivalent to the common terms "all but the thesis" or "all but dissertation" used at some institutions. The term candidate cannot be employed with regard to a Masters degree student.

Clerkship

See Internship

Clinical Practice

See Internship

Continuing Fees

The tuition fees charged to graduate students who have fulfilled their program fee requirements but have yet to complete all their degree requirements. See Faculty of Graduate Studies Regulations.

Co-operative Education

A program where academic study is combined with career related work experience.

Co-requisite

Requirement which can be fulfilled concurrently with the course being considered.

Course/Class

A unit of study in a subject area. Such a course is identified by a course/subject label, number, credit value and title (eg. ENGL 1000.06: Introduction to Literature).

Credit

A unit by which University course work is measured. A full year (X/Y) course is normally worth one full credit (six credit hours).

Credit Hours

One full credit is equal to six credit hours and one half credit is equal to three credit hours.

CRN

Each course has a course reference number (CRN) attached to it. This number is to be used when registering for courses.

Crosslisted Courses

Courses are crosslisted based upon course content that deals with more than one subject area in a substantive way. The crosslisting recognizes the interdisciplinary nature of the course.

Email

Email is an authorized means of communication for academic and administrative purposes within Dalhousie. The University will assign all students an official email address. This address will remain in effect while the student remains registered and for one academic term following a student's last registration. This is the only email address that will be used for communication with students regarding all academic and administrative matters. Any redirection of email will be at the student's own risk. Each student is expected to check her or his official email address frequently in order to stay current with Dalhousie communications.

Exclusion

An exclusion is when one course is sufficiently similar to another course that credit will only be given once if both are taken.

Externship

See Internship.

Fieldwork

See Internship.

Full-time Students

Those registered for three full courses (18 credit hours for UG, AC, HP level, 12 credit hours for TC level) or more in the Regular term, or the equivalent of three half credits (nine credit hours for UG, AC, HP level, six credit hours for TC level) courses or more in either the Summer, Fall or Winter term.

Good Standing

Students who meet the required GPA are considered to be in good academic standing.

Grade Point Average (GPA)

Weighted sum of the grade points earned, divided by the number of credit hours enrolled.

- Term GPA: Courses taken in a single term.
- Cumulative GPA: All courses taken while registered in a level of study.

In the case of a course that has been repeated, only the highest grade is included.

GSIS

Graduate Student Information System. The electronic database used to approve graduate student program requirements and progress.

Graduate Student

A student with a Bachelor's degree, usually with Honours or equivalent, enrolled in a Master's or Doctoral program, or a graduate diploma program.

Internship, Fieldwork, Clinical Practice, Externship, Practicum, Clerkship

These terms are used in programs to describe practical professional educational experiences that are conducted in a non-university setting such as a health or social service agency.

Letter of Permission

A Letter of Permission authorizes a Dalhousie student to take a course(s) at another institution for credit towards a Dalhousie qualification. Such permission must be obtained in advance of taking the course(s).

Level of Study

The following are levels of study:

TC	Technology Diploma - Faculty of Agriculture
AC	Architecture/Engineering (Years 3 and 4)
HP	Health Professions
UG	Agriculture
	Arts & Social Sciences
	Computer Science
	Engineering (Years 1 and 2) and Bachelor of Food Science

Non-thesis Program

A Master's program of study based on course work which may also include a research project. This includes many of the professional graduate programs. Some of these programs also offer a thesis option.

Part-time Students

Students registered for fewer than three full-credit courses (18 credit hours for UG, AC, HP level, 12 credit hours for TC level) or the equivalent of three half-credit (nine credit hours for UG, AC, HP level, six credit hours for TC level) courses in either the Summer, Fall or Winter term.

Part-time Graduate Student (Program Fee)

A part-time graduate student paying program fees is a student who has been approved by the department and the Faculty of Graduate Studies as working part-time on their graduate degree. A part-time graduate student is taking less than nine credit hours per term.

Part-time Student (Per Course Fee)

A student who is taking less than nine credit hours (three half-credit courses) in a term is considered a part-time student.

Per Course Fee

The fees charged to students in a Per-Course Fee Degree. Students pay fees according to the number of courses taken in any given term.

Practicum

See Internship.

Prerequisite

A requirement that must be fulfilled prior to registering in a specific course.

Probation

Warning to students that their academic performance is unsatisfactory and that they will be dismissed from their program unless their performance improves by the end of the next term.

Program Fees

The tuition fees charged to students in a program-fee degree. The program fee is based on total tuition for a specified number of years, varying according to academic program. Students who have not completed their program after the specified number of years are required to pay a continuing fee.

Qualifying Students (Master's only)

A full-time or part-time student with a Bachelor's degree or its equivalent in whom a department has expressed an interest as a potential graduate student, but who is without a sufficient GPA or academic background in a particular discipline to be enrolled directly in a Master's program.

Residency

The period of time that graduate students are expected to be on campus for fulfillment of their formal program requirements. In some programs, part of the residency period may, with permission, include some time off campus (e.g. for fieldwork or research).

Scholarship GPA

See Awards section.

Special Students

Students who are not candidates for a degree or diploma but who wish to take courses which may be allowed for credit. This is not the same as auditing a course. Special students must satisfy normal admission requirements.

Special Student - Graduate Studies (SSGS)

A Student who is not registered in a graduate program but is taking graduate courses. Special students must satisfy normal admission requirements.

Supervisor

The supervisor is a member of Faculty of Graduate Studies who is directly responsible for the supervision of a graduate student's program. In this capacity, the supervisor assists the student in planning a program, ensures that the student is aware of all program requirements, degree regulations, and general regulations of the department and Faculty of Graduate Studies, provides counsel on all aspects of the program, and stays informed about the student's research activities and progress. The supervisor is also charged with ensuring that a student's research is effective, safe, productive and ethical. Specific duties of the supervisor include preparation of a program of study with the student, arrangement of and attendance at all supervisory committee meetings and candidate examinations, while ensuring that these exams are scheduled and held in accordance with Faculty of Graduate Studies and Departmental regulations, and reviewing the thesis both in draft and in final forms.

Thesis Only Fees

See Continuing Fees.

Thesis Program

A Master's or Doctoral program of study involving a major research component in the form of a written thesis. Some programs offer a non-thesis option.

Transcript

A transcript is a complete history of a student's academic record at Dalhousie. Partial transcripts, e.g. a portion of a student's record pertaining to registration in a particular degree, faculty, or level of study, are not issued.

Transfer Student

A transfer student is one who is awarded credit towards a Dalhousie degree for academic work completed at a previous university or equivalent institution of higher learning.

Undergraduates

Students who are candidates for an undergraduate degree or diploma.

Visiting Student

A person permitted to take courses at Dalhousie for transfer of credit to another university.

Visiting Student Graduate Studies (VSGS)

- a. A person permitted to take courses at Dalhousie for transfer of credit to another university (Letter of Permission required).
- b. A person permitted to work with a Dalhousie researcher for thesis work at another university (Research).

Work Term

Career related work experience required in Co-operative Education programs. Work terms are usually 13-16 weeks in duration.

Writing Intensive

Writing Intensive courses are those which emphasize the process of writing, frequency of writing assignments, and weighting of those assignments in the course grades. A Writing Intensive course is normally taken as a sequel to a Writing Requirement course, but does not satisfy the Writing Requirement.

Course Codes

Numbers

0010-0099 pre university preparation courses
0100-0300 technology level courses
1000 level courses are introductory
2000-4000 level courses are advanced
5000-9000 level are Graduate level (with some exceptions)

Credit Hours—examples only

.06 credit hours = 6 credit hours = 1 full credit UG, AC, HP level
.03 credit hours = 3 credit hours = ½ credit UG, AC, HP level
.02 credit hours = 2 credit hours = ½ credit TC level

Subject Codes

Four letter codes are used to describe the department offering a particular course as follows:

ACAD - Academic
ACSC - Actuarial Science
AGRI - Agriculture
AGRN - Agronomy
ANAT - Anatomy & Neurobiology
ANSC - Animal Science
APSC - Applied Science
AQUA - Aquaculture
ARBC - Arabic
ARCH - Architecture
ARTC - Applied Health Services Research
ARTS - Art
ASSC - Arts and Social Sciences Interdisciplinary
BCBD - Community Building and Design
BIOA - Biology (Faculty of Agriculture)
BIOC - Biochemistry and Molecular Biology
BIOE - Biological Engineering
BIOL - Biology

BIOT - Bioethics
 BMNG - Biomedical Engineering
 BUSI - Business Administration
 CANA - Canadian Studies
 CBBI - Computational Biology and Bioinformatics
 CH&E - Community Health & Epidemiology
 CHEE - Chemical Engineering
 CHEM - Chemistry
 CHIN - Chinese
 CHMA - Chemistry (Faculty of Agriculture)
 CIVL - Civil Engineering
 CLAS - Classics
 CMMT - Communications
 CNLT - Centre for Learning and Teaching
 COMM - Commerce
 CPST - Complimentary Studies
 CRNF - Creative Non-Fiction
 CRWR - Creative Writing
 CSCA - Computer Science (Faculty of Agriculture)
 CSCI - Computer Science
 CTMP - Contemporary Studies
 DCYT - Diagnostic Cytology
 DEHY - Dental Hygiene
 DENQ - Dentistry Qualifying
 DENT - Dentistry
 DISM - Disability Management
 DMUT - Diagnostic Medical Ultrasound Technology
 ECED - Electrical and Computer Engineering
 ECMM - Electronic Commerce
 ECOA - Economics (Faculty of Agriculture)
 ECON - Economics
 EDUC - Education
 EGLA - English (Faculty of Agriculture)
 EMSP - Early Modern Studies
 ENGI - Engineering
 ENGL - English
 ENGM - Engineering Math
 ENGN - Engineering (Faculty of Agriculture)
 ENSL - English Language (CE)
 ENVA - Environmental Sciences (Faculty of Agriculture)
 ENVE - Environmental Engineering
 ENVI - Environmental Studies
 ENVS - Environmental Science
 EARTH - Earth Sciences
 EURO - European Studies
 EXTE - Extension Education
 FOOD - Food Science (Faculty of Agriculture)
 FOSC - Food Science & Technology
 FREN - French
 FRNA - French (Faculty of Agriculture)
 GELA - Geology
 GEOA - Geography (Faculty of Agriculture)
 GEOG - Geography
 GENE - Genetics
 GERM - German
 GWST - Gender and Women's Studies
 HAHP - Health and Human Performance
 HEED - Health Education
 HESA - Health Administration
 HINF - Health Informatics
 HISA - History (Faculty of Agriculture)
 HIST - History
 HLTH - Health Professions
 HORT - Horticulture
 HPRO - Health Promotion
 HSCE - Health Sciences Education
 HSTC - History of Science and Technology
 HUCD - Human Communication Disorders
 IAGR - International Development (Faculty of Agriculture)
 IDIS - Interdisciplinary Studies
 IENG - Industrial Engineering
 INFB - International Food Business
 INFO - Information Management
 INFX - Informatics
 INTA - Internship (Faculty of Agriculture)

INTD - International Development Studies
 INTE - Interdisciplinary Studies (Graduate)
 INWK - Engineering Internetworking
 IPHE - Interprofessional Health Professions
 ITAL - Italian
 JOUR - Journalism
 KINE - Kinesiology
 KING - King's Foundation Year Programme
 LAWS - Law
 LEIS - Leisure Studies
 MARA - Marine Affairs
 MARI - Marine Biology
 MATH - Mathematics
 MATL - Materials Engineering
 MCRA - Microbiology (Faculty of Agriculture)
 MDLT - Medical Lab Technology
 MECH - Mechanical Engineering
 MEDI - Medicine
 MEDS - Medical Science
 MGMT - Management
 MGTA - Management (Faculty of Agriculture)
 MICI - Microbiology & Immunology
 MINE - Mineral Resource Engineering
 MTHA - Mathematics (Faculty of Agriculture)
 MUSC - Music
 NESC - Neuroscience
 NUMT - Nuclear Medicine Technology
 NURS - Nursing
 NUTR - Nutrition
 OCCU - Occupational Therapy
 OCEA - Oceanography
 ORAL - Oral & Maxillofacial Surgery
 PATH - Pathology
 PEAS - Process Engineering and Applied Science
 PERI - Periodontics
 PETR - Petroleum Engineering
 PGMD - Post-Graduate Medicine
 PGPH - Post-Graduate Pharmacy
 PHAC - Pharmacology
 PHAR - Pharmacy
 PHAS - Pharmaceutical Sciences
 PHDP - PHD Program
 PHIL - Philosophy
 PHLA - Philosophy (Faculty of Agriculture)
 PHYC - Physics and Atmospheric Science
 PHYL - Physiology
 PHYS - Physics (Faculty of Agriculture)
 PHYT - Physiotherapy
 PLAN - Planning
 PLSC - Plant Science
 POLI - Political Science
 POLS - Political Science (Faculty of Agriculture)
 PORT - Portuguese Studies
 PROS - Prosthodontics
 PSYC - Psychology (Faculty of Agriculture)
 PSYO - Psychology
 PUAD - Public Administration
 RADT - Radiological Technology
 REGN - Registration Course- Graduate
 RELS - Religious Studies
 RESM - Research Methods/Project Seminars
 RSCH - Research Class for PDF's
 RSPT - Respiratory Therapy
 RURS - Rural Studies
 RUSN - Russian Studies
 SCIE - Science
 SLWK - Social Work
 SOCI - Sociology (Faculty of Agriculture)
 SOIL - Soils
 SOSA - Sociology and Social Anthropology
 SPAN - Spanish
 SPEC - Special Topics
 SPNA - Spanish (Faculty of Agriculture)
 STAA - Statistics (Faculty of Agriculture)
 STAT - Statistics

SUST - Sustainability
THEA - Theatre
TYPR - Transition Year Program
VISC - Vision Science
VTEC - Veterinary Technology

Undergraduate Programs

Faculty of Agriculture

Bachelor of Agriculture - International Food Business (4 year)
Bachelor of Science (Agriculture) (4 year major)
Bachelor of Science (Agriculture) (4 year double major)
Bachelor of Technology (4 year major)
Diploma in Engineering (2 year)
Diploma in Technology - Business Management (2 year)
Diploma in Technology - Managed Landscapes (2 year)
Diploma in Technology - Plant Science (2 year)
Diploma in Technology - Veterinary Technology (2 year)

Faculty of Architecture and Planning

Bachelor of Environmental Design Studies (2 years)
Bachelor of Community Design (3 years)
Bachelor of Community Design (4 year honours)

Faculty of Arts and Social Sciences

Bachelor of Arts (3 year concentration)
Bachelor of Arts (4 year major)
Bachelor of Arts (4 year double major)
Bachelor of Arts (4 year concentrated honours)
Bachelor of Arts (4 year combined honours)
Bachelor of Arts/Bachelor of Engineering Concurrent (5 years)
Bachelor of Music (4 years)
Advanced Diploma in Costume Studies (3 years)
Diploma in Costume Studies (2 years)

Faculty of Computer Science

Bachelor of Computer Science (4 years)*
Bachelor of Computer Science (4 year honours)*
Bachelor of Informatics (4 year co-op)
Bachelor of Science (4 year double major)*
Bachelor of Science (4 year combined honours)*
Bachelor of Arts (4 year double major)*
Bachelor of Arts (4 year combined honours)*

Faculty of Engineering

Bachelor of Applied Science (Food Science)
Bachelor of Engineering (4 years)*
Bachelor of Science/Bachelor of Engineering Concurrent (5 years)*
Bachelor of Arts/Bachelor of Engineering Concurrent (5 years)*
Diploma in Engineering (2 years)

Faculty of Health Professions

Certificate in Disability Management
Diploma in Emergency Health Services Management (1 year)
Diploma in Health Science (3 years)
Diploma in Health Services Administration (1 year)
Bachelor of Science (Health Promotion) (4 years)
Bachelor of Science (Health Promotion) (4 year honours)
Bachelor of Health Science (4 years)
Bachelor of Science (Kinesiology) (4 years)
Bachelor of Science (Kinesiology) (4 year honours)
Bachelor of Science (Nursing) (4 years)
Bachelor of Science (Nursing) for registered nurses (3 years)**
Bachelor of Science (Nursing) (Arctic Nursing) (4 years)

Bachelor of Science (Pharmacy) (4 years)
Bachelor of Social Work (3 years)
Bachelor of Science (Recreation) (4 years)
Bachelor of Science (Recreation) (4 year honours)*
Bachelor of Science (Recreation)/Bachelor of Management (5 years)
Bachelor of Science (Recreation)/Bachelor of Management (5 year honours)*

Faculty of Management

Bachelor of Commerce (4 year co-op)
Bachelor of Management (4 years)*
Bachelor of Science Recreation/Bachelor of Management (5 years)
Bachelor of Science Recreation/Bachelor of Management (5 year honours)*

*Also available as an internship program

** Suspension of program pending approval

Faculty of Science

Bachelor of Science/Bachelor of Arts (3 year with minor)
Bachelor of Science/Bachelor of Arts (4 year major)*
Bachelor of Science/Bachelor of Arts (4 year double major)*
Bachelor of Science/Bachelor of Arts (4 year concentrated honours)*
Bachelor of Science/Bachelor of Arts (4 year combined honours)*
Bachelor of Science (4 year multi-disciplinary honours)
Bachelor of Science/Bachelor of Engineering Concurrent (5 years)*
Bachelor of Science (Medical Sciences)

Diploma in Meteorology (1 year)

*Also available as a co-op program

Dalhousie University

Dalhousie University blends the finest academic traditions with innovative thinking and outstanding educational opportunities. Located on Canada's east coast - an area long known for its natural beauty and friendly people -- Dalhousie is a warm and welcoming university that attracts students from around the globe.

Dalhousie has been at the heart of Halifax, Nova Scotia - a lively coastal city - for almost 200 years. The university features both an historic, tree-lined urban campus and a rural agricultural campus, located about an hour from the city. Dalhousie combines a welcoming atmosphere with the international prestige of a big-name school. With 12 faculties and more than 4,000 classes in over 180 areas of study, the university offers its more than 18,000 students a wealth of choice and innovative degree programs.

Dalhousie encourages student learning through exchange programs, fieldwork, community service and cooperative education. Its collaborative learning environment encourages students to interact with one another and with faculty experts to share ideas and offer new perspectives. A member of the U15, Canada's elite research-intensive universities, Dalhousie combines the culture of a more intimate undergraduate college with the opportunities of a larger research institution.

This collaborative spirit also extends off campus. Dalhousie conducts research in partnership with teaching hospitals, professional organizations, businesses and industry, non-profit agencies and other universities. As Atlantic Canada's leading research university, Dalhousie attracts more than \$140 million in research grants and awards annually. The university is a world leader in marine-related research and home of the international Ocean Tracking Network. Dalhousie also offers Canada's first undergraduate program in Ocean Sciences.

Atlantic Canada's only Faculty of Agriculture, offering programs in areas such as international food business, pre-veterinary medicine and plant sciences, is located at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

The University of King's College, situated adjacent to the Dalhousie campus, is an affiliated institution, and its students in arts and science receive Dalhousie degrees in the name of both institutions.

Dalhousie University is a member of the Association of Universities and Colleges of Canada, the Association of Atlantic Universities and the Association of Commonwealth Universities.

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Human Rights, Equity and Harassment Prevention

Lisa Delong, LLB, LLM

Internal Audit Services

Margaret Sterns, BBA, CA

Sustainability Office

Rochelle Owen, BSc (He-Ed), MES

Board of Governors

The Board of Governors of Dalhousie University is responsible for the overall conduct, management, administration and control of the property, revenue, business and affairs of the University. The basic responsibility of the board is to represent the interests of the university in directing its affairs and to do so within the statutes relating to Dalhousie University. The Board consists of representatives named by the Government of Nova Scotia, Senate, the alumni, and students.

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Chancellor Emeriti

Dr. Rueben Cohen
Sir Graham Day
Dr. Richard Goldbloom

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University Secretary

Ms. Susan Brousseau

Observer for Faculty Association

Ms. Catrina Brown
President, Dalhousie Faculty Association

Senate

The Senate is the University's senior academic decision-making body. It is responsible for the approval of new programs and academic units and it manages the reviews of Faculties, Centres and Institutes. Senate approves the granting of degrees and diplomas, including the conferral of Honorary Degrees. It is responsible for setting academic regulations which affect the University as a whole, including regulations governing student conduct and discipline, as well as regulations concerning faculty tenure and promotion.

Senate has 79 members - 3 Executive Officers; namely, Chair of Senate, Vice-Chair (Academic Programs) and Vice-Chair (Student Affairs), 51 elected Faculty representatives, 17 academic administrators (President, Provost and Vice-President Academic, Vice-President, Research, University Librarian, and the Deans of each faculty), seven students elected by the Dalhousie Student Union (one of whom shall be a graduate student and one who should represent the Agricultural Campus), and a representative from the University of King's College.

Senate normally meets on the second Monday of each month from 4:00 - 6:00 pm. In addition, if there are sufficient items of business, Senate will meet on the fourth Monday of the month, from 4:00 - 6:00pm

Chair of Senate

Alan Pinder, BSc, PhD

Vice-Chair (Academic Programs)

Jeff Hoyle, BEd, PhD

Vice-Chair (Student Affairs)

Katherine Harman, PT, PhD

Admission Requirements

Dalhousie University is an affirmative action and equal opportunity educational institution. Students who are Aboriginal, Black/persons of African descent, or persons with a disability and do not meet the normal admission requirements may choose to self-identify and request special consideration.

Dalhousie University reserves the right to rescind any acceptance of an applicant into a program or to rescind an offer of admission of an applicant into a program. Please refer to University Regulations.

PLEASE NOTE: Admission to many programs is limited. Possession of minimum requirements does not guarantee admission.

General Admission Requirements

Applicants must meet the admission requirements as outlined in the appropriate section of this calendar.

Place of Residence

For the purpose of admission to the University, the place of residence of a student is the place of domicile. This is normally presumed to be the place (country, province, etc.) where the parents or guardian's home is located. That place remains unchanged unless the Registrar is satisfied that a place of residence is established elsewhere.

Age Requirement

No person under 16 years of age is admitted to any course except on the specific recommendation of the admissions committee of the relevant Faculty or School, which shall take into account all aspects of the applicant's preparedness for the course or program involved, and which may attach such conditions to the applicant's admission as the committee judges appropriate.

Students from Canadian High Schools

For general admission to most programs, students require grade 12 level university preparatory English and four additional university preparatory courses. Special attention will be paid to grades in English and mathematics. Final grades in mathematics (if required for the program) and English must be at least 65%. Students are expected to have an overall minimum average of 70%. Final grades in individual university preparatory courses other than mathematics and English must be at least 60%.

Any special or pilot course must have been previously approved by Dalhousie if it is to be used as one of the credits needed for admission.

Students from a Community College, College of Applied Arts and Technology (CAAT) or a CEGEP

Applicants who have completed studies in a Community College, College of Applied Arts and Technology (CAAT) or a CEGEP program, may qualify for transfer credits. Applications are considered on an individual basis.

Acceptable High School Courses for Admission

- English
- Biology, chemistry, French, geography (or global geography), German, history (or global history), Latin, mathematics, physics, calculus, comparative religion, computer related studies, economics, environmental studies, Gaelic, geology, journalism, law, music, political science, sociology, Spanish, theatre, drama and other courses provincially coded as academic or advanced.

For Students from Quebec

Students attending high schools offering Grade 12 must meet the distribution and average requirements outlined for students from the Atlantic provinces, or first year CEGEP with minimum 70% overall average, with no individual academic subject below 65%.

PLEASE NOTE: Fulfillment of admission requirements does not necessarily provide the prerequisite background for all first year courses. Please consult the course description section of this calendar.

Students from Outside Canada

American High School Curriculum Students studying in an American-based curriculum (in the United States, or abroad), are required to present a Grade 12 high school average of “C” or better. In addition, students must present a minimum SAT score of 1650 or an ACT score of 23 or better.

British Curriculum (GCE and GCSE) Students studying in a British-patterned curriculum (GCE) are required to present the General Certificate of Education with at least five subjects. These must include at least two Advanced Level courses (A-levels), or four AS-level courses, with grades of at least “C”. Exceptional candidates may be admitted on O-level results.

Advanced Placement (AP), Baccalauréat (French Baccalauréat), A-level (GCE) and International Baccalaureate (IB) courses are accepted towards meeting admission requirements. Please refer to the General Admission Requirements section of the Calendar for specific admission requirements. Courses may be eligible for transfer credits. Please refer to section 12.

Admission Requirements by Country For most countries, we consider the same academic preparation that is required for university entrance in that country - that is, successful graduation from an academic secondary school program or equivalent. View our Admission Requirements by Country chart at www.dal.ca/admissions/international_students/admissions/requirements-by-country.html for more information.

English Language Proficiency Requirements

English is the language of study at Dalhousie; therefore all applicants whose first language is not English must provide proof of English proficiency. This requirement can be satisfied with one of the following criteria:

- Test of English as a Foreign Language (TOEFL)
 - TOEFL (computer based) - 237 with no band below 21
 - TOEFL (paper based) - 580 with no band below 55
 - TOEFL (iBT) - 90 with no band below 20
- Students must achieve 4.0 or better on the essay or TOEFL Writing Test
- International English Language Testing System (IELTS) - 6.5 with no band below 6.0
- Michigan English Language Assessment Battery (MELAB) - 81
- Canadian Academic English Language Assessment (CAEL) - 70
- Certificate of Proficiency in English (CPE) minimum grade C and Certificate in Advanced English (CAE) minimum grade B
- IB Higher Level English class A1, A2 with a minimum grade of 5 or English B with a minimum grade of 6
- AP English Examination (Language Composition; Literature and Composition) with a minimum grade of 4
- O-Level GCSE or IGCSE English Language or English Literature course with a minimum grade of B
- CanTest of English for Scholars and Trainees (CanTest) - 4.5
- Student has graduated from a Dalhousie-recognized school which uses English as the primary language of instruction and the student has spent three successful years in the English program
- Student has studied full-time for at least three years (or equivalent in part-time studies) in a secondary school where the language of instruction and examination was English
- Student has studied full-time for at least one year in a recognized university where the language of instruction and examination was English and the course curricula require proficiency in English

The following Web links will provide more information on English Language proficiency tests:

TOEFL - <http://www.ets.org/toefl/>

IELTS - <http://www.ielts.org>

MELAB - <http://www.lsa.umich.edu/eli/testing/melab/>

CAEL - <http://www.cael.ca/>

CPE/CAP - <http://www.cambridgeesol.org/>

Arrange to have your English Language proficiency test score(s) sent directly by the testing agency to Dalhousie at the following address:

Dalhousie University
Registrar's Office
PO Box 15000
Halifax, NS B3H4R2
Canada
Dalhousie University TOEFL Code: 0915

Language Training

Students who meet the academic admission requirements whose English proficiency minimum test scores are TOEFL PBT 550, CBT 213, or iBT 79 or IELTS 6.0 or MELAB 76 or CanTest 4.0 or CAEL 60 may be offered part-time Dalhousie admission with the co-requisite of completing a full-time approved English training program.

Students with Learning Disabilities

Dalhousie University is committed to providing equal educational opportunities and full participation for students with learning disabilities.

Students with diagnosed learning disabilities who meet the current admission requirements for Dalhousie University may follow the current admission procedures. All new Dalhousie students will receive in the offer of admission a statement indicating that, if they have a learning disability or any other disability for which they will require accommodations or special assistance, they should contact the Advisor to Students with Disabilities, in order to ascertain the degree to which their needs can be met.

Students with diagnosed learning disabilities who do not meet the current admission requirements or who otherwise wish to have their learning disability considered may apply for special consideration as may all other students who have extenuating circumstances. These requests will be made to the appropriate admissions committee, acting in consultation with the Advisor to Students with Disabilities and other knowledgeable professionals.

The following documentation must be submitted by students who wish to apply for special consideration:

1. Letter(s) of recommendation from the individual(s) most familiar with the applicant's academic performance and/or potential for success at university;
2. A written, oral or electronic statement from the student. In this brief personal statement, students should describe their learning disability, how this affected their grades and the type of assistance they would require while at Dalhousie University;
3. A current (within three years) psychological assessment based on standard diagnostic instruments administered by a registered psychologist documenting the presence of learning disabilities. If a current report is not possible, Dalhousie University may accept an earlier report along with a current opinion (ie. within the past year) expressed in a letter by a registered psychologist (or individual supervised by a registered psychologist) that the student has a learning disability. This letter should specify the nature, extent and rationale for program modifications or accommodations that were deemed appropriate in the student's last two years of schooling.

Mature Students

Applicants who are Canadian Citizens or permanent residents and 21 years of age or older, by the first day of courses, and are not eligible for admission on the basis of regular admission requirements, may apply for admission to some programs as a mature applicant. In order to be eligible, the applicant must either have no university-level study, or have attempted less than one year of transferable coursework. The student cannot have been in full-time university-level study for a minimum period of two years.

Applicants must provide a completed application for admission, high school or post-secondary transcripts, any other relevant documents (e.g. SAT scores, if available), and a letter outlining life and work experience since last attending full-time study. Applicants will be expected to clearly outline their education goals and motivation to succeed at university study. All factors will be considered in the admission decision.

Admission under this policy is restricted to first year of undergraduate programs. Applicants must have completed grade 12 English (or equivalent) with a minimum grade of 65%. Admission to some programs will require completion of other required subjects.

A student admitted on this basis may be restricted in the number of courses he/she can register in during the first year. Otherwise, these students have the same rights, privileges and responsibilities as other students within their program.

Transfer Students

Students wishing to apply for transfer credit should consult Academic Regulation 7, in this calendar. Certified copies of course descriptions from calendars are acceptable in lieu of originals. Certificates in languages other than English or French must be accompanied by certified translations into English. Students applying with one year or less of university work must also submit high school transcripts.

The minimum GPA for admission as a transfer student may vary by program of study. Please contact the Registrar's Office for more information.

Note: Transfer credit will not be awarded for work completed while a student was academically ineligible.

International Baccalaureate (IB), Advanced Placement (AP), Baccalaureat (French Baccalaureat), A-Level (GCE) Courses

Students taking any of these courses, may qualify for advanced placement or transfer credits.

Transfer credits will be awarded based on equivalent Dalhousie courses. Credit may be awarded to students with Higher level IB courses with final grades of 5, 6 or 7 or with AP national exam results of 4 or 5. For students with a Baccalauréat exam result of 11 or higher on courses with a minimum coefficient of 4, transfer credits may be awarded. Those who have completed A-Level courses with a final grade of C or higher may receive transfer credit.

Students may opt to forgo transfer credit awarded for these programs. To do so, applicants must contact the Registrar's Office (902) 494-2450.

Lists of equivalent Dalhousie credits that have been previously determined can be found on the Registrar's Office website (<http://www.dal.ca/transferecredits>). Transfer credits are evaluated on an individual basis and will vary depending on each student's personal academic program.

International and Exchange students attending Dalhousie as Visiting Students

International students must meet the following requirements:

- Good academic standing at the home institution
- Written academic approval from the appropriate department head, Dean or designate (e.g., Registrar) to undertake coursework at Dalhousie (written approval is usually in the form of a *letter of permission*)
- The required student visa to study in Canada
- Proof of adequate health insurance for the duration of the stay in Canada
- Proof of proficiency in English

PLEASE NOTE: Students studying for less than one full academic year are restricted from taking full-year courses (see Course Codes and Definitions).

Rescission of Acceptance into a Program

Dalhousie University reserves the right to rescind any acceptance of an applicant into a program or to rescind an offer of admission of an applicant into a program. Such rescission shall be in writing and may be made by the President or the Provost and Vice-President, Academic, in consultation with the appropriate Dean, at any time prior to the applicant's registration being confirmed by the Registrar. Any such rescission shall be reported to the Senate in camera.

Canadian and Local Students attending Dalhousie as Visiting Students

All students wishing to attend Dalhousie University on a letter of permission from their home university must submit the following:

- A completed application for admission
- Letter of permission from the home university
- Students applying from Saint Mary's, Mount Saint Vincent, and NSCAD University are not required to pay the application fee, all other applicants are required to pay the application fee.

At the end of each academic session, grades will be forwarded to Saint Mary's, Mount Saint Vincent, and NSCAD University on the student's behalf. Students from all other universities must arrange for transcripts to be sent to the home university.

Faculty of Agriculture

Pre University Study

The Faculty of Agriculture offers pre university study in Math, Chemistry and Physics. Applicants who do not meet the stated admission requirements in Math or Science may still be admitted to a degree program in the Faculty of Agriculture on the condition that they complete the pre university level course prior to entering the degree level required subject.

Bachelor of Science (Agriculture) & Pre-Veterinary Studies

- English 12
- Pre Calculus Math 12
- Chemistry 12
- Two other acceptable university-preparatory courses at the grade 12 level
- Minimum final grades:
 - English 65%
 - Pre Calculus Math 65%
 - Chemistry 65%
 - Overall Average 70%

Applicants in all majors except Agricultural Business, Agricultural Economics and Plant Science will be required to have Physics 12 or to take the preparatory physics on campus prior to enrolling in university level physics.

It is recommended that applicants also take Biology 12, and where available at the high school level, courses in Agriculture or Food Science.

Bachelor of Agriculture - International Food Business

- English 12
- Academic Math 12
- Three other acceptable university-preparatory courses at the grade 12 level
- Overall average of 75%

Bachelor of Technology - Environmental Landscape Horticulture

Years one and two of the Bachelor of Technology - Environmental Landscape Horticulture program are satisfied by completion of the Diploma in Technology Managed Landscapes or a landscape-related program approved by the Department of Environmental Sciences in the Faculty of Agriculture. Applicants must have a cumulative GPA of at least 2.0 in the Diploma program to gain admission.

Bachelor of Technology - Landscape Architecture

- English 12
- Academic Math 12
- Biology 11
- Three other acceptable university-preparatory courses at the grade 12 level
- Overall average of 70%

Diploma in Engineering

- English 12
- Pre Calculus Math 12
- Chemistry 12
- Physics 12
- One other acceptable university-preparatory course at the grade 12 level
- Minimum final grades:
 - English, Chemistry, Mathematics, Physics - 65%
 - Other subjects - 60%
 - Overall average - 70%

Diploma in Technology Business Management

- English 12
- Math 11
- Chemistry 11 or Biology 11 or Agriculture 11
- Science 10
- Four grade 12 level courses at the university-preparatory or general level
- Minimum overall final average of 60%

Applicants to the Equine concentration are expected to be experienced in the care and handling of horses. A Competency Form outlining practical experience and knowledge in the industry is required. This form can be found online at dal.ca/applynow

Diploma in Technology Managed Landscapes

- English 12
- Math 12
- Biology 12
- Chemistry 11
- One other acceptable university-preparatory course at the grade 12 level
- Minimum overall final average of 60%

Diploma in Technology Plant Science

- English 12
- Math 11
- Chemistry 11
- Science 10 or Biology 10
- Four grade 12 level courses at the university-preparatory or general level
- Minimum overall final average of 60%

Diploma in Technology Veterinary Technology

- English 12
- Pre-Calculus Math 12 or Academic Math 12 with a 70% or higher
- Chemistry 12
- Biology 12
- One other acceptable university-preparatory course at the grade 12 level
- Minimum overall final average of 60%

Faculty of Architecture and Planning

School of Architecture

Bachelor of Environmental Design Studies (BEDS)

Admission Criteria

The Admissions Committee gives priority to applicants with a combination of academic performance and creative ability. Well-rounded personal and academic experience is beneficial, as well as experience in drawing, craft, and computer applications.

Minimum Academic Requirements

The minimum requirements for admission are:

- a portfolio of design work that demonstrates creativity and/or artistic skill;
- two years in a university degree program (10 full-year courses, 20 half-year courses, or a combination), with a 2.5 grade point average (B- average), including the following courses:
 - a full year course (or two half year courses), at 1000 level or higher, in a mathematics or science subject: biology, chemistry, computer science, engineering, geology, mathematics, physics, or statistics;
 - a full-year course (or two half-year courses) in humanities or social sciences: e.g., art history, classics, literature, music, history, philosophy, anthropology, political science, psychology, sociology;

- a half-year course that emphasizes written composition (often designated by a university as “writing requirement” or “writing intensive”).

Post-Secondary Institutions

The Admissions Committee may grant up to one year of university credit for an applicant who has attended a post-secondary institution that is not considered a university. Two or more years at a college or an institute of technology plus one year of university is normally acceptable.

Mature Students

An application will be considered from a Mature Student – an individual who will be at least 25 years old at the time of registration in the BEDS program and does not meet the minimum academic requirements for admission (two years of university, required courses, 2.5 GPA). All mature students must have completed at least one full year at a university. In the application, a Mature Student should describe related work experience and any other pursuits and skills that may serve as grounds for admission.

Transfer Students

The School of Architecture welcomes applications from transfer students from other architecture schools in Canada and abroad. Admission and level of entry is based on courses completed elsewhere that are equivalent to required courses at Dalhousie; the level of achievement in the design portfolio and on the applicant's total years of university. To meet professional accreditation standards, the School cannot offer a level of entry that would permit a student to obtain the MArch degree with less than six full years of university, including two years of general studies.

Documents

A BEDS applicant must submit all of the following items before the application can be reviewed:

1. To be submitted to the Registrar's Office:
Admissions, Registrar's Office
PO Box 15000
Dalhousie University
Halifax, NS B3H 4R2

- Undergraduate application form
- Undergraduate application fee (see University Fees in this Calendar)

To confirm receipt of the items above, please contact the Registrar's Office: (902) 494-2450.

2. To be submitted to the School of Architecture:
Admissions, School of Architecture
Dalhousie University
5410 Spring Garden Road
PO Box 15000
Halifax, NS B3H 4R2

- An official academic transcript from all previous post-secondary institutions;
- A portfolio of design work (about 10-15 items) that demonstrates creativity and/or artistic skill;
- A letter written by the applicant, describing his/her background and interest in architecture and in the BEDS program.
- Two letters of recommendation, including at least one from an academic instructor;
- Evidence of competency in English for applicants whose native language is not English (see General University Admission Requirements in this Calendar). For School of Architecture admission, the TOEFL minimum is 92 and the IELTS minimum is 7.0.

To confirm receipt of the items above, please contact the Architecture Office:

arch.office@dal.ca or (902) 494-3971. For additional application instructions, please visit <http://tinyurl.com/nx2apn7>.

Application Deadline

The deadline for undergraduate applications from Canada and all other countries is March 1. Transfer applications are reviewed three times every year: in February, June, and October. For an application to be considered, all items must be received by February 1, June 1 or October 1.

School of Planning

Bachelor of Community Design

Admission to the Bachelor of Community Design program is limited. Not all applicants who meet the minimum requirements can be accepted.

Admission to the program is based on academic performance.

High School Applicants

- Satisfactory completion of grade 12 or equivalent with at least five academic university preparatory courses including:
 - English
 - Academic Math
 - One science
 - Two additional university preparatory courses

Biology, geology or geography are recommended courses for students interested in this field. Only applicants with a minimum average of 70% will be considered.

Applicants with Previous Post-Secondary Experience

- Satisfactory completion of the required academic grade 12 subjects as outlined or university level courses in these subject areas.
- Applicants must have a minimum GPA of at least 2.0.
- All applicants, both high school and transfer, are admitted to the first year of the program. Following admission, a limited number of transfer students may be considered for registration in second year planning courses based on availability of space and level of academic preparedness (including number and subject area of course credits transferring from previous post-secondary study).

Faculty of Arts and Social Sciences

Bachelor of Arts

- English
- Four other acceptable university-preparatory courses
- Minimum final grades:
 - English - 65%
 - Other Subjects - 60%
 - Overall Average - 70%

Bachelor of Music, BA Music and other Music degree programs

- Satisfy the requirements for Bachelor of Arts
- Demonstrate proficiency in applied instrument or voice in an audition/interview
- Demonstrate knowledge of the basic rudiments of music theory (roughly equivalent to Grade II theory, Royal Conservatory of Music in Toronto), aural dictation and keyboard skills. Each is assessed through written diagnostic tests as part of the audition/interview.
- Submit the supplementary application form to the Fountain School of Performing Arts.

It is recommended that students apply early for the purposes of admission, audition, and performing arts scholarship consideration. Audition dates are listed on the supplementary form and all audition procedures should be completed by June 1.

Applicants who, in the estimation of the Auditioning Committee, show considerable musical talent but are in need of more emphasis on preparatory skills will be required to take preparatory courses. Applicants with significant background deficiencies will be advised to seek further preparation through private instruction before reapplying.

Students wishing to transfer from another institution into the second or third year of their chosen Music program must take validation examinations in music theory, aural and keyboard skills, and their applied major instrument before transfer of credits can be considered. Failure to pass an examination will necessitate enrolment in the appropriate first- or second-year course. Validation examinations must be written at the same time as the audition/interview. Transfer applications are subject to the June 1 deadline.

Diploma in Costume Studies (two years)

- Satisfy the admission requirements for Bachelor of Arts
- Minimum 65% in Grade 12 English

Applicants are asked to submit a brief letter outlining their interest in the program, their background in sewing, costume study/design and/or the theatre. University credits will enhance applications. Due to the special nature of this program, transfer credits for university work are not offered.

Faculty of Computer Science

Bachelor of Computer Science

- English
- Pre-Calculus Mathematics
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English and mathematics - 65%
 - Other subjects - 60%
 - Overall average - 70%

Bachelor of Informatics

- English
- Academic Mathematics
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English and Mathematics - 65%
 - Other subjects - 60%
 - Overall average - 70%

Faculty of Engineering

Bachelor of Applied Science in Food Science

(Admission for this program is currently under review, contact the Registrar's Office for more information)

- English
- Pre-Calculus Mathematics
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English, Mathematics - 65%
 - Other subjects - 60%
 - Overall average - 75%
- It is recommended that students take two of the following science subjects: Physics, Biology, Chemistry.

Bachelor of Engineering

From High School

- English
- Pre-Calculus Mathematics
- Physics
- Chemistry
- One other acceptable university-preparatory course
- Minimum final grades:

- English, Chemistry, Mathematics, Physics - 65%
- Other subject - 60%
- Overall average - 70%

Transfer Students

Students wanting admission with advanced placement in the BEng degree program are advised that at least one half of the coursework must be completed at Dalhousie including the final two study terms with a full course load.

Associated Universities Transfers

On completion of the Engineering Diploma at an Associated University, a student may be eligible for admission to the Bachelor of Engineering program at Dalhousie. Applicants must complete an Application for Admission form (available from the Registrar's Office), and submit the application plus an official transcript from their Associated University, verifying completion of the program entrance requirements, to the Registrar by the application deadline.

Faculty of Health Professions

Some programs in the Faculty of Health Professions have been established to meet the needs of the Maritime or Atlantic provinces. Admission of applicants outside the preferred region may be limited.

Affirmative Action

The Faculty of Health Professions recognizes that Affirmative Action is required to increase the admission of and number of graduates from underrepresented groups; Aboriginal peoples, African Canadians and Persons with (dis)Abilities. The constituent Units of the Faculty will develop and implement Affirmative Action policies that are consistent with the Human Rights Commission.

As a matter of priority, the Faculty will develop strategies to identify and create recruitment and support systems that will encourage and support members of these underrepresented groups to apply to and graduate from the Faculty of Health Professions

Statement Regarding Criminal Records Check

The Faculty of Health Professions of Dalhousie University does not require a Criminal Records Check or other screening procedure (e.g., Vulnerable Sector Screen) as a condition of admission into its programs. However, **students should be aware that such record checks or other screening procedures will be required by facilities outside the University used for clinical, fieldwork or co-op placements or experiences related to an academic course assignment which in some instances, may be a requirement for graduation.** It is the student's responsibility to have such procedures completed.

Such facilities may refuse to accept students on the basis of information contained in the record check or other screening procedure. If the student is unable to complete a clinical requirement due to a failure to meet the record check or screening requirements of the facility, or if the student is refused access to the facility on the basis of the information provided, such a student may fail the course, and as a result in some instances, may not be eligible for progression or graduation.

Students should check with their School/College for details concerning any record checks or screening requirements relevant to clinical, fieldwork, or placements in their particular program. Note that facility requirements may change from time to time and are beyond the control of the University.

Students should also be aware that some professional regulatory bodies may require a satisfactory record check as a condition of professional licensure.

Deposit

Due to the large number of applications, a non-refundable deposit of \$200 (applicable to tuition fees) is required on admission. For transfer students, this deposit is payable within three weeks of notification of acceptance.

School of Health and Human Performance

Admission to programs offered by the School of Health and Human Performance is limited. Not all applicants who meet the minimum requirements for admission can be accepted.

Bachelor of Science (Health Promotion)

High School Applicants:

Satisfactory completion of grade 12 or equivalent, with a minimum average of 70% in at least five academic university-preparatory courses including:

- English (minimum 70%)
- Biology or Chemistry (minimum 70%)
- Three other acceptable university-preparatory courses

Transfer Applicants

- Satisfactory completion of the required grade 12 academic subjects as outlined or university level courses in these subject areas.
- Applicants must have a minimum GPA of at least 2.3 (on a 4.3 scale)
- Experienced persons in the workplace may be admitted as mature students.

Bachelor of Science (Kinesiology)

High School Applicants:

Satisfactory completion of grade 12 or equivalent, with a minimum average of 75% in at least five academic university-preparatory courses including:

- English (minimum 70%)
- Academic Mathematics (minimum 70%)
- Students are encouraged to have grade 12 courses in Biology or Chemistry or Physics.

Transfer Applicants

- Satisfactory completion of the required grade 12 academic subjects as outlined or university level courses in these subject areas.
- Applicants must have a minimum GPA of at least 2.3 (on a 4.3 scale)

Bachelor of Science (Recreation)

High School Applicants:

Satisfactory completion of grade 12 or equivalent, with a minimum average of 70% in at least five academic university-preparatory courses including:

- English (minimum 70%)

Transfer Applicants

- Satisfactory completion of the required grade 12 academic subjects as outlined or university level courses in these subject areas.
- Applicants must have a minimum GPA of at least 2.3 (on a 4.3 scale)

Bachelor of Science (Recreation)/Bachelor of Management

A five year combined degree program is offered with a primary focus on Recreation Administration.

High School Applicants:

Satisfactory completion of grade 12 or equivalent, with a minimum average of 70% in at least five academic university-preparatory courses including:

- English (minimum 70%)
- Academic Mathematics (minimum 70%)

Transfer Applicants

- Satisfactory completion of the required grade 12 academic subjects as outlined or university level courses in these subject areas.
- Applicants must have a minimum GPA of at least 2.3 (on a 4.3 scale)

School of Health Sciences

Bachelor of Health Science (Four-Year Entry-Level Program)

Since all professional streams of the BHSc are limited enrolment programs, these requirements define eligibility. Not all applicants who meet the minimum requirements will be accepted into the program.

Requirements differ based on the previous education and background of the applicant.

Selection criteria

The selection criteria used by the Admissions Committee include:

- Place of residence
- Academic performance
- Non-academic performance

Place of Residence

Priority consideration is given to permanent residents of the Maritime provinces (NS, NB, PE), then to permanent residents of other Canadian provinces/territories and finally to all other applicants.

Applicants are considered to be from the Maritime provinces if:

- The principal residence of the applicant's parent(s) or guardian is located in the Maritime provinces; or

If the applicant is independent of his/her parent(s) or guardian, he/she must have lived and worked on a full-time basis in the Maritime Provinces for a minimum of one full year and not have attended school on a full-time basis.

Assessment of Academic Performance

Assessment of academic performance based on the applicant's transcripts accounts for 80% of the applicant's overall total score.

High School Applicants

- Completion of academic Grade 12 with at least five Grade 12 university preparatory courses, including:
 - English
 - Academic Math
 - Two Sciences
- Diagnostic Cytology: Biology, Chemistry **Admission to this program is currently under review. Contact the Registrar's Office for more information.**
- Diagnostic Medical Ultrasound: Biology, Physics
- Nuclear Medicine Technology: Physics, Chemistry
- Radiological Technology: Physics and either Biology or Chemistry
- Respiratory Therapy: Chemistry and either Biology or Physics
- Overall average of 75% in the five university preparatory courses used to meet admission requirements
- No grade lower than 70% in the five courses

Note: Admission to the BHSc Diagnostic Cytology Program is suspended for the 2015-2016 academic year.

Applicants with Previous Post-Secondary Experience

- Completion of courses in English, Math and two sciences as outlined above for high school applicants. If these courses were not taken as part of post-secondary study, they must be at the academic Grade 12 level with a minimum grade of 70%.
- A minimum grade of C in the required subjects if taken at the post-secondary level.
- Minimum cumulative GPA of 2.75 or in most recent year of full-time studies

Assessment of Non-Academic Performance

Assessment of non-academic performance accounts for 20% of the applicant's overall total score.

A letter of intent and resume are required.

Forms and detailed instructions can be found on the School of Health Sciences website www.dal.ca/SHS.

Applicants will be assessed on the following non-academic criteria:

- Demonstrated knowledge of the selected health profession
- Leadership
- Community involvement
- Teamwork

Special Circumstances

In exceptional situations, special consideration may be given by the Admissions Committee to applicants who do not meet all admissions requirements. Applicants will be required to submit a letter stating reasons for special consideration.

Personal Suitability

Students in the professional streams included in the BHSc program work with clients who trust them to provide safe and competent care. A criminal records check will be required for only those students accepted into the BHSc program.

Affirmative Action

The School of Health Sciences is committed to increasing the admission of and number of graduates from underrepresented groups: Aboriginal peoples, African Canadians and Persons with (dis)Abilities.

Applicants wishing to apply under the Affirmative Action Policy must indicate on the self identification section of the application form. Applicants must meet the minimum admission requirements.

Application Submission

Application form, fee and all official transcripts should be sent to the Registrar's Office.

All other supporting documents should be sent directly to the School of Health Sciences.

Application deadline is **February 15**.

Applicants must submit the following:

- Completed application form and fee
- For high school applicants, an official high school transcript
- For other applicants, an official transcript from all previous post-secondary institutions
- Letter of intent
- Resume

Forms and detailed instructions on the School of Health Science website www.dal.ca/SHS

Notification

Each applicant is notified of the status of their application by mail, normally by the end of April. Those applicants who are put on the waiting list may expect to hear about acceptance as late as September.

Deposit Fee

A non-refundable deposit of \$200 (applicable to tuition fees) is required within three weeks of receipt of written notification of acceptance in order to reserve a place in the program. For High School students the \$200 is payable by May 15 in order to reserve a place in the program.

Bachelor of Health Sciences (Post-Diploma Program)

The Bachelor of Health Science, Post-Diploma program, is a configuration of the BHSc developed for practitioners in the following professional streams:

- Diagnostic Cytology
- Diagnostic Medical Ultrasound
- Medical Laboratory Technology
- Nuclear Medicine Technology
- Radiological Technology
- Respiratory Therapy

The objective of the post-diploma program is to provide registered technologists and therapists the opportunity to obtain a degree in health science. It is not intended as an opportunity to merely refresh skills or competencies.

The program comprises 60 credit hours of university study (equivalent to two years full-time study). In recognition of the reality that potential students are likely to be working full-time, the program is available on a part-time basis.

Note: Respiratory Therapists wishing to apply to the Anaesthesia Assistant Certificate (AAC) must fulfill the admission requirements and follow the process for application to the Post-Diploma Program. (Admission for 2015-2016 has been suspended)

Admission Requirements

- Successful completion of a diploma program in the profession for which you are applying*
- Two years of post-diploma work experience in that profession
- Evidence of good standing with the applicable Canadian professional association or college.

* For Diagnostic Medical Ultrasound, completion of advanced training in ultrasound following a diploma in another allied health profession, plus at least two years work experience in ultrasound, may be substituted.

Documentation Required

- Completed Dalhousie application form plus application fee (see Application for Admission form)
- Official transcript of diploma program, plus official transcripts from any other post-secondary institution attended
- Current registration number with applicable Canadian professional association or college, or photocopy of current membership card
- Letter of intent
- Resume with two contact references (two letters of reference for AAC program)

Guidelines for Letter of Intent

This letter provides the opportunity for applicants to expand upon their experience, any advanced or specialty education they may have and their interest in undertaking university studies.

Information to be included:

- Work experience
- Educational initiatives undertaken since diploma completion
- Other professional activities, e.g., in professional association
- How applicant thinks this program will contribute to her/his professional development
- Personal and professional motivation
- Readiness for university education

Application deadline dates for the Post-Diploma Program are June 15 for September enrollment and October 15 for January enrollment.

School of Health Administration

Diploma in Health Services Administration

Applicants must meet the Dalhousie University undergraduate admission requirements. It is recommended that students not apply directly from High School and have work or volunteer experience in the Health Services industry. A complete application consists of the following documents:

- Application and fee
- An official transcript from High School and previous post-secondary institutions
- One letter of reference
- Resume

Diploma in Emergency Health Services Management

Applicants must meet the Dalhousie University undergraduate admission requirements. It is recommended that students not apply directly from High School and have work or volunteer experience in the Health Services industry. A complete application consists of the following documents:

- Application and fee
- An official transcript from High School and previous post-secondary institutions
- One letter of reference
- Resume

School of Nursing

Bachelor of Science (Nursing) - Four Year

Admission to the Bachelor of Science Nursing program is limited. Not all applicants who meet the minimum requirements can be accepted.

Requirements differ based on the previous education and background of the applicant.

Selection criteria

The selection criteria used by the Admissions Committee include:

- Place of residence
- Academic performance

Place of Residence

Owing to the limited enrolment and the large number of applicants, this program primarily serves permanent residents of Nova Scotia but each year a limited number of places are also available for well-qualified residents of other Canadian provinces and international students.

Applicants are considered to be from Nova Scotia if:

- The principal residence of the applicant's parent(s) or guardian is located in Nova Scotia; or
- If the applicant is independent of his/her parent(s) or guardian, he/she must have lived and worked on a full-time basis in Nova Scotia (not attending school on a full-time basis) for a minimum of one full year; or
- The applicant, or his/her parent(s), guardian or spouse does not meet the preceding requirements as the direct result of a recent employment transfer in or out of Nova Scotia.

Academic performance

High School Applicants

- Satisfactory completion of grade 12 or equivalent with at least five academic university preparatory courses including:

- English
- Biology
- Chemistry
- Academic Math
- A minimum grade of 70% in the required subjects.
- A minimum overall average of 70% in the five university preparatory courses used to meet admission requirements

Applicants with Previous Post-Secondary Experience

- A minimum grade of 70% in the required academic grade 12 subjects as outlined above for High School applicants; or
- A minimum grade of B- in the required subjects at the Post-Secondary level.
- A minimum cumulative GPA of 2.5 based on overall Post-Secondary career or most recent year of studies (30 credit hours).

Special Cases

In exceptional circumstances, special consideration may be given by the Admissions Committee to applicants who do not meet all admission requirements. These decisions are at the discretion of the Admissions Committee and are not subject to appeal.

Affirmative Action

The School of Nursing has an Affirmative Action Policy for residents of Nova Scotia who belong to the indigenous Black and Aboriginal population. Applicants wishing to apply under the Affirmative Action Policy must indicate on the self identification section of the application form. Applicants must meet the minimum admission requirements.

Final Date for Receipt of Applications for Admission

March 15

Notification

Each applicant is notified of the status of their application by mail, normally by the end of May. Those applicants who are put on the waiting list may expect to hear about acceptance as late as September. Incomplete and late applications will not be considered.

Bachelor of Science (Nursing) (Arctic Nursing)

A program for Inuit is available. Please contact the School of Nursing for information.

Deposit Fee

Due to the large number of applications a non-refundable deposit of \$200 (applicable to tuition fees) is required on admission.

For High School students the \$200 deposit is payable by May 15 in order to reserve a place in the program.

For all other applicants the \$200 deposit is payable within three weeks of receipt of written notification of acceptance in order to reserve a place in the program.

The following guidelines have been established for the School of Nursing: if the deposit is not received by the deadline the place will be offered to another applicant without further notice. Students who have paid their deposits but who have not appeared at the School of Nursing by the first day of the Orientation Program will be considered to have withdrawn from the School unless they have written permission from the Admissions Committee.

College of Pharmacy

Bachelor of Science (Pharmacy)

For admission in September 2015: To apply to the College of Pharmacy, you must have successfully completed a minimum of one year of undergraduate courses (five full credits or 30 credit hours over the fall and winter terms).

The following pre-requisite courses are required for admission with a minimum final grade of 70% (B-) in each course. Equivalent subjects from other universities will be given equal status for the purposes of determining admission:

Chemistry	CHEM 1011.03/CHEM 1012.03 or CHEM 1021.03/CHEM 1022.03 one full year (six credit hours) or equivalent
Biology	BIOL 1010.03/BIOL 1011.03 or BIOL 1020.03/BIOL 1021.03 one full year (six credit hours) or equivalent
Social Science	One full year (six credit hours) or any two half year (three credit hours) university credit(s) in any Social Science subject(s)
Mathematics	MATH 1000.03 or MATH 1215.03 one half year (three credit hours) Calculus course or equivalent
Statistics	STAT 1060.03 or STAT 2060.03 one half year (three credit hours) or equivalent
English	ENGL 1000.06 one full year (six credit hours) or any two half year (three credit hours) English courses designated as a writing requirement or equivalent (ie. any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1050.03, ENGL 1100.03 or equivalent)

Applicants must present at least one full year of study in which they successfully complete five full credits of study (30 credit hours) over the fall and winter terms.

Transfer credits will not be granted for students who exceed the minimum admission requirements. The problem-based curriculum which integrates science, pharmaceutical science and pharmacy practice requires that students will complete all coursework in the four year program.

Incomplete applications and applications submitted after the deadline, February 1 (see Application Dates for details), will not be considered.

See Selection Criteria below.

For admission in September 2016: Dalhousie University is in the process of approving an entry-to-practice Doctor of Pharmacy (Pharm D) degree to replace the current Bachelor of Science (Pharmacy) degree.

In anticipation of the approval of the Doctor of Pharmacy program, and to support prospective applicants for September 2016, the following Dalhousie University courses have been identified as pre-requisites for the program. Applicants must successfully complete the following courses (or their equivalent from another university) with a minimum final grade of 70% (B-) in each course in order to be considered for admission. Normally it will take students at least two full time academic years to complete the required courses.

Subject	Dalhousie Course
Intro Chemistry	CHEM 1011.03 & CHEM 1012.03 or CHEM 1021.03 & CHEM 1022.03 or CHMA 1000.03 & CHMA 1001.03
Intro Biology	BIOL 1010.03 & BIOL 1011.03 or BIOL 1020.03 & BIOL 1021.03 or BIOA 1002.03 & BIOA 1003.03
Social Science	6 credit hours of a social science
Intro Calculus	MATH 1000.03 or MATH 1215.03 or MTHA 1000.03
Intro Statistics	STAT 1060.03 or STAT 2060.03 or STAA 2000.03
Intro English	ENGL 1000.06 one full year (six credit hours) or any two half year (three credit hours) English courses designated as a writing requirement or equivalent (ie. any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1050.03, ENGL 1100.03 or equivalent)
Human Anatomy	ANAT 1010.03
Microbiology	MICI 2100.03 or MCRA 2000.03
Organic Chemistry	CHEM 2401.03 & CHEM 2402.03 or CHMA 2000.03 & CHMA 2001.03
Biochemistry	BIOC 2300.03 or CHMA 3001.03
Genetics	BIOL 2030.03 or

Electives

12 credit hours of general electives

Applicants must present at least one full year of study in which they successfully complete five full credits of study (30 credit hours) over the fall and winter terms.

Transfer credits will not be granted for students who exceed the minimum admission requirements. The problem-based curriculum which integrates science, pharmaceutical science and pharmacy practice requires that students will complete all coursework in the four year program.

Incomplete applications and applications submitted after the deadline, February 1 (see Application Dates for details), will not be considered.

Selection Criteria

The selection criteria used by the Admissions Committee include:

- Place of residence
- Academic performance
- Assessment of non-academic criteria

A score out of 100%, is calculated for each applicant based on academic performance and assessment of non-academic criteria.

Place of Residence

This is the only College of Pharmacy for the Maritimes and therefore preference is given to Maritime applicants. Attendance at a Maritime university does not, by itself, constitute having established residence in the Maritime provinces.

Applicants are considered to be from the Maritimes if:

- The principal residence of the applicant's parent(s) or guardian is located in the Maritime provinces; or
- The applicant (or spouse) has been employed full-time in the Maritime provinces for the preceding 12 consecutive months.

Applicants whose parent(s), guardian or spouse do not meet the residency requirements as a direct result of a recent employment transfer either into or out of the Maritime provinces would not necessarily be expected to conform to the above guidelines.

Exceptions to these guidelines will be considered on an individual basis. Residency will be determined for each applicant on February 1st of the year for which admission is being sought.

A limited number of students from outside the Maritimes are accepted into the first year of the program each year.

Academic Performance

Applicants are chosen for evaluation of non-academic criteria based on an initial screening of academic performance. Academic performance is calculated on cumulative GPA. In the case of academic courses currently in progress, the initial screening will be based on Fall-term grades. The final assessment of academic performance is based on the applicants' grades and accounts for 60% of the applicants' overall total score. Applicants should note that admission is on a competitive basis so that the ability to obtain consistently better than average grades would be an asset for the applicant. An academic record containing failures or poor grades makes the prospect of admission very unlikely.

Assessment of non-academic criteria

Only those applicants who have obtained a high level of academic performance on the initial screening are invited for evaluation of non-academic criteria. Applicants will be invited to participate in an interview. Applicants will be assessed on the following non-academic criteria:

- Commitment to Care;
- Critical thinking, problem-solving, creativity;
- Ethical reasoning/integrity;
- Responsibility;
- Interpersonal skills;
- Maturity;
- Motivation to be a pharmacist;
- Conflict resolution;
- Team player;
- Self-awareness;

- Oral communication skills.

The assessment of non-academic criteria accounts for 40% of the applicants' overall total score.

Notification

Applicants will be informed of the status of their applications no later than late July. Those applicants who are put on the waiting list may expect to hear about acceptance as late as September.

Deposit Fee

In addition to the deposit requirement, the following guidelines have been established for the College of Pharmacy: if the deposit is not received, the place will be offered to another applicant without any further notice. Students who have paid their deposits but who have not appeared at the College by the first day of the College of Pharmacy Orientation Program will be considered to have withdrawn from the College unless they have written permission from the Admissions Committee.

Special Cases

In exceptional circumstances, special consideration may be given to applicants who do not meet all admission requirements. These decisions are at the discretion of the Admission Committee and are not subject to appeal.

Affirmative Action

The College of Pharmacy has an Affirmative Action Policy for residents of the three Maritime provinces who belong to the African Canadian and Aboriginal population. Applicants wishing to apply under the Affirmative Action Policy must check "yes" on the Supplemental Form. Applicants must receive a minimum of 65% in each of the five prerequisites listed.

School of Social Work

Bachelor of Social Work

The study and practice of social work is intellectually, emotionally and physically demanding. It is important for potential applicants to be familiar with the expectations and ethics of the profession before applying to the Bachelor of Social Work program in order to self assess for readiness. This material can be found on the websites for the Canadian Association of Social Workers and the Canadian Association for Social Work Education.

Admission to the Bachelor of Social Work degree is limited. Not all applicants who meet the admission requirements can be accepted. A specified number of places are offered once a year to the most qualified candidates as selected by the School's Admissions Committee. Equal consideration is given to part-time and full-time applications. Applicants indicate if they are applying for on-site or distance study and the applications for each delivery method are given separate consideration. It is not possible to transfer between on-site and online delivery methods.

Required preparation for Social Work

- Academic requirements for the Bachelor of Social Work degree are the same for the on-campus and the on-line distance delivery method.
- The minimum academic requirement is five general university credits with a minimum 2.70 (B-) average on a 4.3 scale in subject areas other than social work.
- Most applicants apply with two years of university study.

There are no specific course pre-requisites for the BSW program. Potential social work applicants are advised to take social science courses (sociology, psychology, women's studies, and English are a few suggestions).

Application Process

Application and all supporting documents must be received by February 15. Please visit socialwork.dal.ca for detailed instructions on how to prepare and submit your application.

Applications for admission are assessed once a year and enrolment is in September only. Each applicant is notified by mail in mid-May of the Admissions Committee's final recommendation to the University Registrar.

The BSW application is self-administered. The application can be downloaded including detailed instructions and forms for completing the application process. A full application includes the following: (Note: only two out of the three references are required).

- Dalhousie Undergraduate Application for Admission
- BSW Application Information
- BSW Applicant's Checklist
- BSW Form Personal Statement Cover Sheet
- BSW Form Recommendation 1. Academic
- BSW Form Recommendation 2. Work
- BSW Form Recommendation 3. Volunteer
- BSW Form Work & Volunteer Experience Summary
- Official University transcripts

Affirmative Action

The School of Social Work has an affirmative action policy for applicants who are Acadian, Aboriginal, African Canadian, members of other racially visible groups, persons with (dis)Abilities and for Lesbian, Gay, Bisexual, Transgender, Two-Spirited, Queer and Intersex (LGBTQT) people. The school is committed to admitting and graduating the highest possible number of students who qualify under this policy. Members of these groups who have five general (non social work) university credits that average B- are encouraged to apply under this policy. Applicants make their request in a place provided on the Social Work Statement cover sheet, which is part of the BSW application package. Each candidate is considered individually on the basis of her/his qualification, rather than in relation to other applicants. The admissions prerequisites and selection criteria are otherwise the same for all candidates.

Selection criteria

The selection criteria used by the Admissions Committee include:

- academic achievement
- social work experience, including work and volunteer
- strength of references
- strength of social work statement

Interviews are not part of the admission process unless specifically requested by the Admissions Committee.

In the assessment of applications, priority is given to those who have completed or who are about to complete an undergraduate degree and who have related work/volunteer experience.

Academic Achievement

An initial screening is made on the basis of academic achievement. Grades from the last 60 credit hours attempted (equivalent to two years of full-time study), including failures, are used to determine the cumulative admission average. Repeated courses with lower grades will be excluded from the GPA calculations. Courses from non-university programs, including college level courses, do not qualify for consideration and are not included in the cumulative university average. A minimum cumulative GPA of 2.7 (B- or 70%) is necessary for an application to be considered.

Relevant work and/or volunteer experience

Relevant work and/or volunteer experience in areas of social or human services that bear a direct relationship to social work can contribute meaningfully to the applicant's preparedness for social work practice.

References

The BSW application requires two out of the following three reference forms: (academic, work, volunteer). These assist the Admission Committee in assessing the candidate's personal suitability and readiness for professional education in social work.

Social Work statement

Candidates write a statement that asks them to discuss a current social issue and their motivation to study social work. This also assists the Admission Committee in assessing the candidates' personal suitability and readiness for professional education in social work.

Canadian Residency Requirement for Distance Study

The online (distance delivery) option is only available to residents of Canada as defined by Canada Customs and Revenue Agency.

Studying by Distance Delivery

Taking a social work online distance degree in your own community will give you access to a challenging, top quality, accredited education in social work. You will have access to a well-structured web based learning environment and have opportunities to apply new learning in supervised field work.

Distance study is completed on a pre-determined schedule that includes a two week residency period on the Dalhousie University campus. Courses are delivered by Blackboard (BbLearn), an online course management system. Students are expected to participate in ongoing discussions in the courses. This requires students to post comments on the course discussion boards, to respond to other students' postings, and to work in small groups as required. The web based courses provide the opportunity for a high-level of interactivity amongst students and between students and instructors. Access to a computer with high speed internet is essential for effective interactivity in your courses. For more information on the distance delivery method, including additional course fees associated with this delivery method, please see socialwork.dal.ca.

Faculty of Management

Bachelor of Commerce Co-op

- English
- Academic Mathematics
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English, Math - 70%
 - Other subjects - 60%
 - Overall Average - 75%

Transfer Students

Transferring into the Dalhousie Commerce Co-op Program from another university program is usually quite straight forward, and we endeavour to give such students as many transfer credits as possible.

Regardless of which program they were previously enrolled in, students who have earned at least four six credit hours courses (or eight three credit hours courses) in the following areas may be able to enter directly into the second year of Commerce Co-op at Dalhousie:

- Business in a Global Context (half-year course)
- Micro Economics (half-year course)
- Macro Economics (half-year course)
- Core Business Applications (Computer Science) (half-year course)
- Business Communications (written) (half-year course)
- Business Communications (oral) (half-year course)
- Introduction to Financial Accounting (half-year course)
- One other full-year (or two half-year) courses, in any area of study
- Mathematics for Commerce (half-year course)

Otherwise, admissible students will normally be placed in the first year of the program, but may be able to use transfer credits to reduce their course loads during some of their terms.

Transfer to the Bachelor of Commerce Co-op Program will not be allowed after September of the second year. Students transferring into this program will be assessed a co-op transfer fee.

Students transferring into the Bachelor of Commerce Co-op Program should note:

1. In order to ensure that all students pay the same co-op fees, students who transfer into the second year of the Bachelor of Commerce Co-op Program will be charged a transfer fee equivalent to the co-op fee that would have been paid in the first year of the program.
2. Due to the co-op structure of the program, a **minimum** of three years in the Dalhousie program will be required in order to complete the Commerce Co-op degree.
3. To receive a major, more than half the major courses must be completed at Dalhousie.
4. A maximum of 51 credit hours may be transferred into the Commerce Co-op Program.

International Students

The work term requirements of the Bachelor of Commerce Co-op Program may involve job placement problems for some visa students. All commerce students must bear in mind that, although Management Career Services will assist students in the job search process, it is ultimately the students' responsibility to secure suitable employment for each of the three required co-op work terms.

Bachelor of Management

- English
- Academic Math
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English, Math - 65%
 - Other subjects - 60%
 - Overall Average - 70%

Faculty of Science

Bachelor of Science and Bachelor of Science Co-op

- English
- Pre-Calculus Math
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English, Math - 65%
 - Other subjects - 60%
 - Overall Average - 75%
- It is recommended that students take two science subjects.

Bachelor of Science (Medical Sciences)

- English
- Pre-Calculus Mathematics
- Three other acceptable university-preparatory courses
- Minimum final grades:
 - English - 80%
 - Pre-Calculus - 80%
 - Overall Average - 80%

Integrated Science Program (DISP)

- Satisfy requirements for Bachelor of Science
- At least one grade 12 science course
- Minimum grades:
 - English 75%
 - Pre-Calculus Mathematics 80%
 - Overall average 80%

Diploma in Meteorology

- For students entering from another university, a 90 credit hour BSc or preferably, a 120 credit hour BSc, in Physics or Mathematics or Chemistry with appropriate Physics courses
- Strong background in Mathematics and Physics
- Courses taken should also include Statistics and Computer Science
- Dalhousie also offers an integrated program that leads to a BSc in Physics (120 credit hours) and the Diploma in Meteorology. (See the Physics and Atmospheric Science Department entry)

Faculties of Dentistry, Law, Medicine, and Graduate Studies

For information concerning admission into these faculties, consult the appropriate calendar, or contact the appropriate faculty office directly.

Graduate Calendar

Dentistry Law Medicine Calendar

Application Submission

It is the responsibility of each applicant to ensure that the application file is complete. The following must be submitted by each applicant to the Registrar's Office:

- A completed application form
- The appropriate application fee for the program (refer to Application for Admission form)
- For students applying directly from high school, an official record of high school work
- An official academic transcript from all previous post-secondary institutions (if applicable)
- Evidence of competency in English for applicants whose first language is not English (see English Language Proficiency Requirements)
- Supplementary information as required for specific programs
- Mature applicants should also enclose a letter

Documents, once submitted, become the property of Dalhousie University and cannot be returned.

January Admissions

Admission of first-year students in January is not recommended because the number of introductory courses in the winter term is very limited. Part-time students and transfer students may be admitted for courses beginning in January in BA, BCSc, BINF, BSc, BEDS, and Special Student programs. The application deadline for January admission is November 15.

Response to Applications

Dalhousie will respond to your application as promptly as possible and will advise you of any missing documentation. Please notify the Registrar's Office if your address changes.

When documentation is complete, applications are forwarded to the appropriate Admissions Committee. Although every effort is made to obtain decisions quickly, there will be some delay at times, particularly with limited enrolment programs. There may also be some delay in admission decisions for programs starting beyond the next academic session.

As soon as decisions are made, applicants will be advised by mail.

Early acceptance

Applicants currently attending high school, who have good academic records and a competitive admission average may be given early acceptance, conditional on satisfactory completion of work in which they are currently enrolled.

Final acceptance

Applicants must successfully complete high school courses in the required subjects with a minimum average of 70%. An official transcript of final grades must be submitted to the Registrar's Office by August 1st.

University Regulations

General

1. The Senate is charged with the internal regulations of the University, including all matters relating to academic affairs and discipline, subject to the approval of the Board of Governors. Within the general policies approved by Senate, academic requirements are administered by the Faculty concerned.
2. All students must agree to obey all the regulations of the University already made or to be made. Students must also comply with the regulations of the Faculty in which they are registered, and pay the required fees and deposits before entering any course or taking any examinations. Additionally, students are advised that this Calendar is not an all-inclusive set of rules and regulations but represents only a portion of the rules and regulations that will govern the student's relationship with the University. Other rules and regulations are contained in additional publications that are available to the student from the Registrar's Office and/or the relevant Faculty, Department or School.
3. Students are bound by the regulations of the home faculty regardless of the faculty in which the student takes courses.
4. Students should be aware that certain courses at the University involve required laboratory work where potentially hazardous materials are in use. These may include animals, other biological materials which may include crops and products, tissues, fluids, wastes, but also microorganisms and toxins as well as a wide variety of chemicals. Examples of physical hazards may include noise, radioactive isotopes and non-ionizing radiation (e.g. lasers). Since there are potential health risks associated with the improper handling of such materials resulting in exposure, Dalhousie University requires that, as a condition of taking a course where such materials are to be used, students must read and agree to comply with the instructions for the safe handling of such materials. In the event that students do not comply with the instructions for the safe handling of such materials, students will receive no credit for the required laboratory work unless other acceptable alternatives are arranged with the instructor. In many cases, alternate arrangements are not possible and students should consider enrolling in a different course.

Rescission of Acceptance into a Program

Dalhousie University reserves the right to rescind any acceptance of an applicant into a program or to rescind an offer of admission of an applicant into a program. Such rescission shall be in writing and may be made by the President or the Vice-President (Academic) and Provost, in consultation with the appropriate Dean, at any time prior to the applicant's registration being confirmed by the Registrar. Any such rescission shall be reported to the Senate in camera.

Official Examination Regulations

1. Candidates will not be admitted to the Examination Room more than thirty minutes after the beginning of the examination. Candidates will not be permitted to leave the examination within the first 30 minutes.
2. Candidates are required to present their valid Dalhousie ID card at all examinations scheduled during the official examination periods and sign the signature list when used.
3. No articles such as books, papers, etc. may be taken into the examination room unless provision has been made by the examiner for reference books and materials to be allowed to the students. All electronic computing, data storage, electronic dictionary and communication devices must be turned off, placed and sealed in the opaque storage bag on the exam writing surface. Calculators may be used at the discretion of the instructor.
4. Candidates may not leave their seats during an examination except with the consent of the invigilator.
5. If more than one book is used, the total number should be marked in the space provided above. The other books should be properly marked and placed inside the first book. All books supplied must be returned to the invigilator.
6. Candidates found communicating with one another in any way or under any pretext whatever, or having unauthorized books, papers, electronic computing, data storage, or communication devices in their possession, even if their use be not proved, will be investigated by the Chief Invigilator. A written report will be submitted to the Faculty Academic Integrity Officer.
7. After the first thirty minutes have elapsed, students may hand in their examination book(s) to an invigilator and quietly leave the examination room. Candidates may not leave the examination room during the last 15 minutes of the examination.

Policy in the Event that a Formal Examination Cannot be Completed at the Regularly Scheduled Time

Formal examinations, up to three hours in length, are scheduled by the Registrar each December and April during formal examination periods, as laid out in the Calendar. If, in the unusual event that one of these examinations must be postponed or abandoned at short notice, the following policies will apply.

1. If more than 50 percent of the time allocated for the examination has elapsed, students' work up to the premature end of the examination, but prorated for the actual time written, will lead to the mark to be obtained from the formal examination.
2. If less than 50 percent of the time allocated for any examination has elapsed, the examination will be rewritten as soon as possible, normally on a day when examinations are not scheduled. Students will be informed by the Registrar of the time and place of the rewrite on the Website of the Registrar (see link below).
3. In all cases in which a formal examination cannot be written at its scheduled time and special arrangements must be made, it is essential that faculty ensure that all students in the course are treated fairly and equitably and according to the evaluative criteria in the course description given to students at the beginning of the term. If an examination is terminated as under point #1, any student who feels disadvantaged by not having been able to write an examination for the length specified in the course description, may appeal through the appropriate departmental or school appeal mechanism for an examination of the specified length. Appeals will be in writing and in a timely fashion. If the appeal is granted, arrangements for such a makeup examination will be made between the student and the course professor.
4. If a formal examination cannot be written at its scheduled time, it is the responsibility of students to check the Registrar's Website for when the examination

will be rewritten. Announcements will be made as soon as possible after the original time, normally within 24 hours, and rewrites will normally take place within the regular examination period.

<http://www.dal.ca/exams>

Policy for the Scheduling of Courses/Examinations

Normally, the University schedules and conducts courses on weekdays, i.e., Monday to Friday, and sometimes Saturday, and examinations on weekdays and Saturdays, but not Sundays or statutory Holidays. No examinations or courses should be scheduled on Good Friday, Easter Saturday or Easter Sunday. Otherwise, exams will be scheduled full days Monday through Thursday and Saturday; Friday until 5 pm; and sometimes Sunday after 12 noon. However the University reserves the right, in exceptional circumstances and with the approval of Senate, to schedule courses or examinations on Sundays or statutory holidays, as the case may be.

Requests for an Alternative Final Examination Time

A student requesting an alternative time for a final examination will be granted that request only in exceptional circumstances. Such circumstances include illness (with medical certificate) or other mitigating circumstances outside the control of the student. Elective arrangements (such as travel plans) are not considered acceptable grounds for granting an alternative examination time. In cases where it is necessary to make changes to examination arrangements late in the term, or Senate has approved exceptional examination arrangements, a special effort will be made to accommodate difficulties the changes may cause for individual students.

The decision whether to grant a student's request for an alternative examination time lies with the instructor of the course concerned as does the responsibility for making the alternative arrangements.

This policy may also be applied at the discretion of the instructor to tests and examinations other than final examinations.

Retention of Student Work

Faculties of Architecture and Planning and Engineering

All work executed by students as part of their academic programs in the Faculties of Architecture and Planning and Engineering automatically becomes the property of the University and may be retained for exhibition or other purposes at any time and for an indefinite period.

Faculty of Computer Science

The Faculty of Computer Science has the right to retain the original or a copy of any work handed in by students. This will only be used for evaluation or for administrative purposes. The permission of the originator of the work is required if it is to be used in any other way.

Communication with Students

1. All students must report their local address while attending the University to the Registrar's Office, on registration or as soon as possible thereafter. Subsequent changes must be reported promptly. This may be done through <http://dalonline.dal.ca>
2. Email is an authorized means of communication for academic and administrative purposes within Dalhousie. The University will assign all students an official email address. This address will remain in effect while the student remains a student and for one academic term following a student's last registration. This is the only email address that will be used for communication with students regarding all academic and administrative matters. Any redirection of email will be at the student's own risk. Each student is expected to check her or his official email address frequently in order to stay current with Dalhousie communications.
3. Students who change their name while attending Dalhousie must provide proof of name change to the Registrar's Office.

Freedom of Information and Protection of Privacy

The Freedom of Information and Protection of Privacy Act (FOIPOP) provides for the protection of an individual's right to privacy but also requires that certain records be disclosed upon request unless they are exempted from disclosure. The Act requires that the University not disclose personal information if that information would constitute an unreasonable invasion of personal privacy. Applicants to Dalhousie are advised that information they provide along with other information placed in a student file will be used in conjunction with university practices for internal university use and will not be disclosed to third parties except in compliance with the FOIPOP Act or as otherwise required by law.

Release of Information About Students

The following information is available, without application through the Freedom of Information and Protection of Privacy Act:

I. Disclosure to students of their own records

1. A transcript is a complete history of a student's academic record at Dalhousie. Partial transcripts, e.g., a portion of a student's record pertaining to registration in a particular degree, faculty or level of study only, are not issued.
2. Students have the right to inspect their academic record. An employee of the Registrar's Office will be present during such an inspection.
3. Students will, on submission of a signed request and payment of a fee where appropriate, have the right to receive transcripts of their own academic record. These transcripts will be marked "ISSUED TO STUDENT". Official transcripts will be sent on a student's request to other universities, or to business organizations, etc. The University will not release copies of transcripts if students owe monies to the University.
4. If transcripts are issued for a student while a senate discipline case is pending and the committee subsequently makes a decision that affects the student's transcript, revised transcripts will be sent to recipients if transcripts are issued while the case was pending.

II. Disclosure to Faculty, Administrative Officers, and Committees of the University

Information on students may be disclosed without the consent of the student to University officials or committees deemed to have a legitimate educational interest.

III. Disclosure to Third Parties

1. The following information is considered public information and may be released without restriction:
 - Name
 - Period of Registration
 - Certificates, Diplomas, Degrees awarded
 - Field of Study (as relates to degree awarded)
 - Hometown and Awards/Distinctions**As indicated in the convocation program.
2. Information will be released without student consent to persons in compliance with a judicial order or subpoena or as required by federal or provincial legislation.
3. Necessary information may be released without student consent in an emergency, if the knowledge of that information is required to protect the health or safety of the student or other persons. Such requests should be directed to the Registrar.
4. In compliance with Statistics Canada requirements, a student's national personal identification number assigned by the university or college first attended will routinely appear on a student's transcript of record.
5. The Federal Statistics Act provides the legal authority for Statistics Canada to obtain access to personal information held by educational institutions. The information may be used only for statistical purposes, and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.
Students who do not wish to have their information used are able to ask Statistics Canada to remove their identifying information from the national database by contacting us by:

Email: PSIS-SIEP_contact@statcan.gc.ca

Mail: Institutional Surveys Section
Centre for Education Statistics
Statistics Canada Main Building
SC2100-K Tunney's Pasture
Ottawa, ON K1A 0T6

Students should also be aware that the Maritime Provinces Higher Education Commission (MPHEC) collects data on behalf of Statistics Canada, and that it uses the data for similar purposes. Statistics Canada will notify the MPHEC of any student choosing to have their personal information removed from the national database, and their information will subsequently be removed from the MPHEC's database.

Further information on the use of this information can be obtained from the Statistics Canada Website www.statcan.gc.ca.

6. Other than in the above situations, information on students will be released to third parties only at the written request of the student, or where the student has signed an agreement with a third party, one of the conditions of which is access to her/his record (e.g., in financial aid). This restriction applies to requests from parents, spouses, credit bureaus and police.

Student Accommodation Policy

A. Background and Purpose

This policy forms part of a broader, ongoing commitment to create a fully accessible university community, and acknowledges that, through dialogue, the university can better understand the nature and extent of campus barriers to accessibility. It is the responsibility of every member of the Dalhousie University community to be knowledgeable on institutional policies related to prohibited grounds for discriminatory practices and accessibility.

Pursuant to our obligations under human rights legislation, the purpose of this Policy is to affirm that Dalhousie University will make reasonable efforts to provide accommodations, up to the point of undue hardship, for students experiencing a barrier due a characteristic protected by human rights legislation, and to establish a framework for managing requests by students for accommodation in an appropriate and timely manner.

Accommodations are intended to reduce or eliminate barriers to participation in academic and student life experienced by individual students due to characteristics protected under human rights legislation.

B. Application

This policy applies to academic and non-academic activity engaged in by students at, on behalf of, in connection with or under the auspices of the University.

Affirmative Action measures and programs aimed at correcting historic disadvantage for designated groups fall under distinct programs and do not form part of this policy.

Allegations of discrimination are addressed under the Statement on Prohibited Discrimination and the applicable procedures.

C. Definitions

In this Policy:

"Centre" means the Advising and Access Service Centre, Student Services;

"Student" means an individual registered in a course at the University, including the College of Continuing Education, but excluding residents in postgraduate medical or dental education programs;

"University activity" means an academic or non-academic activity conducted at, on behalf of, in connection with, or under the auspices of the University.

D. Policy

1. Students experiencing barriers to participation in a University activity due to a characteristic protected under human rights legislation are entitled to accommodation to reduce or eliminate such barriers up to the point of undue hardship, as set out in this Policy.
2. All members of the University community share in the responsibility for compliance with this policy.
3. Students are encouraged to seek accommodation where they believe that they are experiencing a barrier to participation in a University activity, due to a characteristic protected under human rights legislation, which may be reduced or eliminated through accommodation.
4. All requests for accommodation shall be made by the student to the Centre in accordance with the Procedures and with all Guidelines and Protocols published by the Centre.
5. Accommodation requests shall be made prior to the University activity in question. There shall be no "after-the-fact" accommodation except in rare circumstances where significant psychological or mental health issues arise coincident with the activity in question.
6. Accommodation decisions will be reviewed on a regular basis and adjusted to the student's then current circumstances where necessary.
7. Accommodation decisions may be appealed by the student to the Vice-President Academic and Provost or delegate in accordance with the Procedures, and with the Guidelines and Protocols established by the Centre.
8. All documentation relating to a request for accommodation, including supporting documentation, shall be treated as strictly confidential, and shall not be disclosed to other persons without the consent of the student requesting the accommodation, except to the extent that such disclosure is necessary for the effective implementation of the accommodation decision or appeal of that decision.
9. Nothing in this Policy or Procedures shall take away from the student's right to seek the assistance of the applicable Human Rights Commission.

E. Administrative Structure

1. Authority: This Policy and Procedures falls under the authority of the Vice-President Academic and Provost. The Centre is responsible for the day to day administration of this Policy and Procedures.
2. Guidelines and Protocols: Guidelines and Protocols published by the Centre will support the Policy and Procedures and facilitate the Centre's responsibility to administer the Policy.
3. Record-keeping: The Centre shall track and monitor data relating to accommodation requests, accommodation appeals, accommodation plans, and other matters relating to student accommodation.
4. Reporting: The Centre shall deliver an annual report to the Vice-Provost, Student Affairs and the Senate Committee on Learning and Teaching which will

include:

- a. Number of accommodation requests;
 - b. Representation of the nature of the requests and program of study;
 - c. Number of appeals and summary of decisions; and
 - d. Any service challenges or other issues presented.
5. **Ongoing Training:** Employees involved in administering this Policy and Procedures will participate in regular training on applicable human rights issues by the Human Rights and Equity Advisor, a minimum of once annually.

F. Procedures

1. **Request for Accommodation:** A request for accommodation shall be made by the student to the Centre prior to the University activity in question in accordance with Guidelines and Protocols established by the Centre.
2. **Preliminary Assessment:** The Centre shall make a preliminary assessment of the request to determine the nature of the barrier experienced by the student and the connection of that barrier to a characteristic protected by human rights legislation. If both cannot be established then the request shall be denied.
3. **Factors to be Considered:** Where an accommodation is to be provided, it must be reasonable, up to the point of undue hardship. The relevant factors to be taken into account in determining a reasonable accommodation will include, but are not limited to, the following:
 - a) Linkage – whether the proposed accommodation will have the practical effect of eliminating or reducing the identified barrier;
 - b) Safety – whether the proposed accommodation would pose a safety risk to faculty, staff or other students or to the student seeking accommodation;
 - c) Financial Cost – whether the anticipated expenses (estimated out-of-pocket expenses to put the accommodation in place together with any long-term expenses to sustain the proposed accommodation), are likely to be cost-prohibitive;
 - d) Size and nature of the program or service – whether the proposed accommodation would be exceedingly disruptive to the program or service, taking into consideration the number of students, faculty, staff and others affected as well as the nature and inter- relationships of their roles;
 - e) Impact on academic requirements – whether the proposed accommodation will substantially undermine the academic requirements of the program; and
 - f) Alternatives – where a requested accommodation appears to create an undue hardship based on the above factors, whether an alternative accommodation may be available.
4. **Consultation and Decision:** Having regard for the factors set out in section F.3, and following consultation, as appropriate to the circumstances, with:
 - a. the student;
 - b. the course instructor in the case of an academic accommodation;
 - c. the clinical coordinator in the case of an accommodation in a clinical placement;
 - d. the administrator responsible for the University activity in question;
 - e. administrators responsible for coordinating accommodations in professional Faculties; and/or
 - f. others that may be warranted by the circumstances; the Centre will decide what accommodation will be provided.
5. **Objection to decision:** If a student disagrees with the accommodation decision, the student should attempt to resolve the matter through informal discussions with the Centre.
6. **Appeal:** If the student's objection cannot be resolved, the student may appeal the decision by filing a written appeal to the Vice-President Academic and Provost within 10 calendar days of the date that the Centre made its final decision in accordance with the Guidelines or Protocols established by the Centre. The Vice-President Academic and Provost may designate an Associate Vice-President Academic to act in his or her place. The Vice-President Academic and Provost or designate may uphold the initial accommodation decision, or may determine that an alternative form of accommodation should be provided. This decision is final, and cannot be appealed further.

Policy on the Submission of Student Papers

Any instructor may require student assignments to be submitted in both written and electronic (computer-readable) form, e.g., a text file or as an email attachment, as defined by the instructor. Use of third-party originality checking software does not preclude instructor use of alternate means to identify lapses in originality and attribution. The results of such assessment may be used as evidence in any disciplinary action taken by the Senate.

Procedures

If an instructor plans to use originality-checking software in a course, students shall be informed in the course syllabus that their written work may be submitted to a text-matching software service, which is meant to assure students that everyone will be evaluated on the basis of their own work and to warn students that plagiarism is likely to be detected. The planned use of originality-checking software will also be included in the oral presentation of the course syllabus in the initial course meeting.

Students shall also be informed in the course syllabus that they are free, without penalty of grade, to choose an alternative method of attesting to the authenticity of their work.

Students shall inform instructors no later than two weeks after the commencement of courses of their intent to choose an alternate method.

Instructors shall provide students with at least two possible alternatives that are not unduly onerous and that are appropriate for the type of written work. Alternatives shall be chosen from the following:

- a) Submitting copies of multiple drafts demonstrating development of the work;
- b) Submitting an annotated bibliography;
- c) Submitting photocopies of sources; and

d) Other alternatives devised by the instructor, provided that they are not unduly onerous.

Intellectual Honesty

A university should be a model of intellectual honesty. As such Dalhousie University shares in the academic values of honesty, trust, respect, fairness and responsibility (Centre for Academic Integrity, 1999 - of which Dalhousie University is a member). Failure to meet the University's standards with respect to these values can result in an academic offence. The length of time a student has attended university, the presence of a dishonest intent and other circumstances may all be relevant to the seriousness with which the matter is viewed.

Violations of intellectual honesty are offensive to the entire academic community, not just to the individual faculty member and students in whose course an offence occurs.

Instructors are responsible for setting examinations and assignments as part of the learning process and for evaluating those examinations and assignments, including ensuring that any rules stated for the procedures used in an examination or assignment are followed. Any violation of such stated rules that could result in a student gaining an unfair or unearned advantage may be considered to be an academic offence.

Examples of Academic Offences

There are many possible forms of academic dishonesty. Since it is not possible to list all instances of academic dishonesty, the following list of examples should be considered only as a guide. The omission of a dishonest action from this list does not prevent the University from prosecuting an alleged instance of that action.

A. Plagiarism

Members of academic communities are privileged to share in knowledge generated through the efforts of many. In return, each member of the community has the responsibility to acknowledge the source of the information used and to contribute knowledge that can in turn, be trusted and used by others. Consequently, the University attaches great importance to the contribution of original thought to learning and scholarship. It attaches equal importance to the appropriate acknowledgment of sources from which facts and opinions have been obtained.

Dalhousie University defines plagiarism as the submission or presentation of the work of another as if it were one's own.

Plagiarism is considered a serious academic offence that may lead to the assignment of a failing grade, suspension or expulsion from the University. If a penalty results in a student no longer meeting the requirements of a degree that has been awarded, the University may rescind that degree.

Some examples of plagiarism are:

- failure to attribute authorship when using a broad spectrum of sources such as written or oral work, computer codes/programs, artistic or architectural works, scientific projects, performances, web page designs, graphical representations, diagrams, videos, and images;
- downloading all or part of the work of another from the Internet and submitting as one's own; and
- the use of a paper prepared by any person other than the individual claiming to be the author.

The proper use of footnotes and other methods of acknowledgment vary from one field of study to another. Failure to cite sources as required in the particular field of study in the preparation of essays, term papers and dissertations or theses may, in some cases, be considered to be plagiarism.

Students who are in any doubt about how to acknowledge sources should discuss the matter in advance with the faculty members for whom they are preparing assignments. In many academic departments, written statements on matters of this kind are made available as a matter of routine or can be obtained on request. Students may also take advantage of resources available through the Writing Centre at writingcentre.dal.ca or the Dalhousie Libraries at library.dal.ca/services/infolit.

B. Irregularities in the Presentation of Data from Experiments, Field Studies, etc.

Academic research is based on the presentation of accurate information and data that are obtained honestly. The trustworthiness of our findings is essential to building knowledge in and across fields of study. Therefore, the falsification of data in reports, theses, dissertations and other presentations is a serious academic offence, equivalent in degree to plagiarism, for which the penalties may include the assignment of a failing grade, suspension or expulsion from the University or the withdrawal of a degree previously awarded.

C. Other Irregularities

Dalhousie University strives to provide equal opportunities for learners to demonstrate and to be recognized for their abilities. Any behaviour intended to gain unearned advantage over another person violates this principle. A member of the University who attempts, or who assists any other person in an attempt, to fulfill, by irregular procedures, any requirements for a course, commits an academic offence and is subject to a penalty.

In the absence of specific approval from the instructor of a course, all students should assume that every assignment is to be completed independently, without any form of collaboration.

Students should take reasonable precautions to prevent other students from having access, without permission, to their tests, assignments, essays or term papers.

The following are some examples of irregular procedures. The list should be used only as a guide since it is not possible to cover all situations that may be considered by the Senate Discipline Committee to be irregular.

- writing an examination or test for someone else;
- attempting to obtain or accepting assistance from any other person during an examination or test;
- during the time one is writing an examination or test, having material that is not specifically approved by the instructor;
- without authorization, obtaining a copy of an examination or test, topic for an essay or paper, or other work;
- without authorization from the faculty member in charge of that course, submitting any work for academic credit when one is not the sole author or creator;
- without authorization submitting any work that has been previously accepted for academic credit in any other course in any degree, diploma or certificate program, or has been completed as part of employment within the University, for example, as research activity. A repeated course is considered to be a separate course.

D. Aiding in the Commission of an Academic Offence

No student may encourage or aid another student in the commission of an academic offence, for example,

- by lending another student an assignment knowing that he or she may copy it for submission;
- by allowing another student to copy answers during an examination.

E. Misrepresentation

Any person who provides false or misleading information during an investigation of a suspected academic offence is guilty of an offence.

Discipline

1. Members of the University, both students and staff, are expected to comply with the general laws of the community, within the University as well as outside it.
2. Alleged breaches of discipline relating to student activities under the supervision of the Dalhousie Student Union are dealt with by the Student Union. Alleged breaches of discipline relating to life in the residences are dealt with by the residence discipline policy unless the President determines that some non-residence University interests are involved. Senate is charged with the authority to deal with cases of alleged academic offenses, see examples above, as well as with certain other offenses that are incompatible with constructive participation in an academic community.
3. On report of a serious breach of the law, or a serious academic offence deemed by the President, or in his or her absence by a Vice-President or the Dean of a Faculty, to affect vital University interests, a student involved may be temporarily suspended and denied admission to courses or to the University by the President, Vice-President or Dean, but any suspension shall be reported to the Senate, together with the reasons for it, without delay.
4. No refund of fees will be made to any student required to lose credit for any course taken, required to withdraw or who is suspended or dismissed from any course or any Faculty of the University.

Academic Dishonesty

Faculty Discipline Procedures Concerning Allegations of Academic Offences

I. Preamble

These procedures deal with allegations of academic offences and do not deal with violations of the student code of conduct. The purpose of these procedures is to delegate assessment of certain allegations of academic offences to the Faculty level.

Guideline for Evaluators

An alleged first or later breach of any academic standard by a student should never be dealt with by an evaluator, but in all instances, should be referred to the Academic Integrity Officer in accordance with these procedures. Any attempt by any person or body other than the Senate, the Senate Discipline Committee, or the Academic Integrity Officers to impose a penalty for an alleged offence is null and void and leaves the student still liable to discipline for that offence. Further, a student remains liable to discipline for a suspected offence notwithstanding a failure on the part of an evaluator to report the allegation in accordance with these procedures.

Where an allegation of a breach of academic standards has been made or is pending, the evaluator should not reveal the mark or grade to anyone until the Vice Chair (Academic Administration) has confirmed the disposition of the matter by the Senate Discipline Committee or the Academic Integrity Officer.

II. Academic Integrity Officers

1. Academic Integrity Officers are associated with the Faculties of Dalhousie University.
2. The Academic Integrity Officer shall act between the student and instructor, and may appear at Hearing Panels of the Discipline Committee or the Discipline Appeals Board to present the case against the student.
3. The Academic Integrity Officer is the Dean of the Faculty. The Dean may further delegate this role to one or more members of his/her academic staff except those who are Senate Officers, who are otherwise involved in the student discipline process, or who otherwise are in a potential conflict of interest relative to this role. Annually the name of the delegate(s) shall be communicated in writing to the Vice-Chair (Student Affairs) who shall report to Senate.
4. The Academic Integrity Officers shall meet as a group with the Senate Discipline Committee (SDC) at least once a year to discuss relevant policy issues and training requirements with a view to maximizing consistency and predictability in the administration of academic offences across the University. Such meetings will be convened and chaired by the Vice-Chair (Student Affairs).
5. **Penalties:** Penalties shall follow the guidelines contained within the University's Academic Regulations and the Senate Discipline Committee terms of reference set out in Section 10 of the Senate Constitution, which are reproduced below for convenience. "The range of penalties which may be imposed by the Senate Discipline Committee be circumscribed only by the requirement that such penalty or penalties be of an academic nature and, without restricting the generality of the foregoing, may include any one or more of:
 - 1) notation of the fact of discipline on the offender's transcript for a period of one or more years, but not exceed five years;
 - 2) repeat of the assignment that triggered the discipline;
 - 3) a failing grade or mark or assessment in the piece of work triggering the discipline;
 - 4) failure of the course or seminar or program;
 - 5) failure of the academic year;
 - 6) suspension for an academic term or year (to a maximum suspension of three academic years);
 - 7) expulsion from the University;
 - 8) loss of a current or continuing scholarship, or both, or loss of eligibility to receive or to maintain scholarships or prizes or bursaries; and 9) removal from the Dean's List."
6. **Faculty Procedures** When an academic offence is suspected, the instructor shall submit a signed statement outlining the basis for the allegation, together with all relevant supporting evidence, to the Academic Integrity Officer of the Faculty which is responsible for the delivery of the course at issue, or in the case of an allegation in relation to a graduate thesis or other non course graduate materials, to the Academic Integrity Officer of the Faculty of Graduate Studies, within 10 working days of becoming aware of the alleged offence, but in any event no later than the deadline for submission of final grades to the Registrar, except in extraordinary circumstances, as determined by the Academic Integrity Officer.
7. Upon receipt of the material from the instructor, the Academic Integrity Officer shall determine whether or not the material supports a *prima facie* case that the student has committed an academic offence. If no *prima facie* case is made out, no further steps are taken in relation to the allegation, and the instructor and student will be so advised in writing.
8. If a *prima facie* case is established, then the Academic Integrity Officer will take the following further steps:
 - a) Check the academic discipline database maintained by the Senate Office to determine if the student(s) has a record of prior academic offence(s);
 - b) With the exception of cases involving two or more students facing allegations arising from the same fact situation ("common allegation") which shall proceed in accordance with paragraph 9, if the student(s) has a record of prior academic offence(s), forward the allegation to the Senate Discipline Committee;
 - c) If the allegation appears to be a first offense, and in all cases of two or more students facing a common allegation, inform the student(s) in writing of the nature of the allegation, the instructor's statement, the evidence, the procedures to be followed, the possible penalties, and possible sources of advice and support (will be a standard document);
 - d) Convene a meeting with the student(s), the student(s)'s advisor, if any, and the instructor within five working days upon receipt of the allegation by the student, which time may be extended at the request of the student, instructor, or Academic Integrity Officer, in appropriate circumstances.;
 - e) If the meeting does not take place within the time set out above, the Academic Integrity Officer has the discretion to convene another meeting with the student(s), the student(s)'s advisor, if any, and the instructor. The Academic Integrity Officer also has the discretion to convene additional meetings as may

be reasonably required. In the event an initial meeting does not occur within a reasonable time after a prima facie case is established, the Academic Integrity Officer shall refer the allegation to the Senate Discipline Committee.

9. Notwithstanding paragraph 8b, in the case of two or more students facing allegations arising from the same fact situation ("common allegation"), the Academic Integrity Officer has the authority to convene a meeting with all such students in accordance with paragraphs 8d and 8e and to make findings for all such students under these Procedures, regardless of the fact that one or more of such students may have a record of prior academic offence(s). If the Academic Integrity Officer's assessment is that there is sufficient evidence to support a finding that a student facing a common allegation has committed an academic offence, for any such student who has no record of prior academic offence(s), subject to paragraph 14, the Academic Integrity Officer shall assess an appropriate penalty for the student in accordance with these Procedures; and for any such student who has a record of prior academic offence(s), the Academic Integrity Officer shall forward the matter to the Senate Discipline Committee for assessment of an appropriate penalty.
10. Following the meeting convened in accordance with paragraph 8, the Academic Integrity Officer shall make a preliminary assessment of whether there is sufficient evidence to support a finding that the student has committed an academic offence, and if there is sufficient evidence, make a preliminary assessment of what penalty would be appropriate in the circumstances. In making the latter assessment, the Academic Integrity Officer shall exercise broad discretion in considering possible mitigating circumstances including but not limited to extraordinary personal circumstances and lack of educational experience.
11. If the Academic Integrity Officer's assessment is that there is insufficient evidence to support a finding that the student has committed an academic offence, s/he shall inform the student in writing with a copy to the Instructor within five working days of the meeting. This does not preclude an Academic Integrity Officer from proceeding with the allegation at a later date, should new evidence become available.
12. If the Academic Integrity Officer's assessment is that there is sufficient evidence to support a finding that the student has committed an academic offence, AND that the appropriate penalty for the student's conduct is any of the penalties described in paragraph 5, above, except those listed in subparagraphs 5 to 9 the Academic Integrity Officer shall provide the student with the option of accepting the finding and the proposed penalty, or of proceeding to the Senate Discipline Committee for a full hearing. The option shall be presented to the student within five working days of the meeting, and the student shall have two working days to respond. In the event that the student elects to accept the finding and proposed penalty, the Academic Integrity Officer shall so advise the Vice-Chair (Student Affairs).
13. Within 14 calendar days of the Vice-Chair (Student Affairs) being advised of the finding and agreed penalty under paragraph 12, the Vice-Chair (Student Affairs), or in his or her absence, the Chair or Vice-Chair (Academic Programs), and a student Senator appointed by the Dalhousie Student Union shall jointly review the finding and agreed penalty to determine whether the process is consistent with the Faculty Discipline Procedures Concerning Allegations of Academic Offences. If so, they shall ratify the matter on behalf of Senate and the Vice-Chair shall notify the student and the Academic Integrity Officer of such ratification. For ratification to occur, the decision must be unanimous. The finding and agreed penalty shall stand, despite possible insubstantial procedural errors. The Vice-Chair (Student Affairs) shall ensure that the offence is recorded on the Senate Discipline database and that the Registrar and any others are notified of the finding and penalty for immediate implementation. If the Vice-Chair (Academic Administration) and/or the student Senator have any material concerns about the process, the Vice-Chair (Student Affairs) shall consult with the Academic Integrity Officer to determine whether the concerns can be resolved. If the Vice-Chair (Academic Administration) and the Academic Integrity Officer are unable to resolve any concerns, the matter shall be referred back to the Academic Integrity Officer for further consideration under these Procedures, after which the Vice-Chair (Academic Administration) and a student Senator shall jointly re-consider ratification. Should ratification still not occur, the matter shall be referred to the Senate Discipline Committee for a hearing.
14. If the Academic Integrity Officer's assessment is that there is sufficient evidence to support a finding that the student has committed an academic offence, but that the appropriate penalty for the student's conduct is one of those listed in subparagraphs 5 to 9 of paragraph 5 of these Procedures, the Academic Integrity Officer shall, within five working days of the meeting, notify the student in writing, with a copy to the instructor, that the matter will be forwarded to the Senate Discipline Committee for a full hearing.
15. Should a student request that an allegation be referred back to the Academic Integrity Officer after it has been forwarded to the Senate Discipline Committee, the Academic Integrity Officer has the discretion to grant such a request. A student's request shall be in writing, and delivered to the Vice-Chair (Student Affairs) within five working days of the date the allegation letter is sent to the student by the Vice-Chair (Student Affairs).
16. Prior to a hearing by the Senate Discipline Committee of an allegation against a student, the Academic Integrity Officer shall provide a written allegation to the Senate office identifying the evidence initially presented by the instructor pursuant to paragraph 6 and any additional evidence obtained by the instructor in the course of the assessment of the matter. The written allegation shall not include reference to whether or not any meeting(s) did occur pursuant to paragraph 8d or 8e, any statements that may have been made by the student at such meeting(s), or any alternate versions of the facts and circumstances that may have been presented by one or more students at such meeting(s). The student shall have the opportunity to provide a written submission in response prior to the hearing by the Senate Discipline Committee. Notwithstanding the foregoing, in the event of a statement made by a student at a hearing of the Senate Discipline Committee that is inconsistent with a statement previously made by that student in the meeting(s) with the Academic Integrity Officer, then the Academic Integrity Officer may refer to statements that may have been made by the student at such meeting(s).
17. Confidentiality must be maintained by those involved in each case when an academic offence is suspected and the instructor submits an allegation to the Academic Integrity Officer, except as is reasonably necessary to implement the finding and agreed penalty or as required in subsequent disciplinary proceedings related to the same matter.

Senate Discipline Committee

Jurisdiction of the Senate Discipline Committee

1. The Senate Discipline Committee has jurisdiction to hear:

- a) Complaints referred to the Senate Discipline Committee under the Code of Student Conduct ("Code Complaints"); and
- b) Allegations of academic offences referred to the Senate Discipline Committee under the Faculty Discipline Procedures Concerning Allegations of Academic Offences ("Integrity Allegations").

2. For the purpose of these procedures, the following definitions shall apply:

- a) **Allegation** means a Code Complaint or an Integrity Allegation as the context requires.
- b) **University Representative** means the President of the University or his/her designate in the case of Code Complaints, or the Academic Integrity Officer in the case of Integrity Allegations.

3. The Senate Discipline Committee's jurisdiction extends to Allegations against a student who, before or during the course of the disciplinary process involving him or her, but prior to adjudication, has:

- i) been compelled to withdraw academically;
- ii) chosen to withdraw from the course, the program, or the University prior to being disciplined, or;
- iii) chosen not to register at the University.

4. In the case of Integrity Allegations, a Hearing Panel of the Senate Discipline Committee may:

- a) dismiss the allegation; or
- b) impose any of the following:

- i) notation of the fact of discipline on the offender's transcript for a period of one or more years, but not exceeding five years;
- ii) repeat of the assignment that triggered the discipline;
- iii) a failing grade or mark or assessment in the piece of work triggering the discipline;
- iv) an imposed limit on the grade that can be given for the assignment or course;
- v) failure of the course;
- vi) suspension for an academic term or year (to a maximum suspension of three academic years);
- vii) expulsion from the University;
- viii) any other remedy of an academic nature that is within the power of Senate to grant.

5. In the case of a Code Complaint, a Hearing Panel of the Senate Discipline Committee may:

- a) dismiss the complaint; or
- b) impose any of the penalties set out under the Code of Student Conduct

6. In the case where an Allegation is proven and is not dismissed under section 4(a) or 5(a), the Hearing Panel of the Senate Discipline Committee may consider any mitigating or aggravating circumstances in its determination of the appropriate penalty.

Initiating a Hearing/Pre-Hearing Procedures

7. To initiate a hearing of the Senate Discipline Committee the University Representative shall submit a written request to the Senate Vice-Chair (Student Affairs), or designate. The request shall include a written submission outlining the Allegation together with all supporting evidence, documentation and a list of the witnesses on which the University Representative intends to rely.
8. The Senate Vice-Chair (Student Affairs) shall provide the student with a notice of the Allegation that shall include:

- a) The material filed by the University Representative under section 7;
- b) Notice of the deadline for the student to submit a written defence, any supporting evidence and a list of individuals who will attend at the hearing on the student's behalf; and
- c) Notification of the student's right to be represented.

9. The student shall provide the Senate Vice-Chair (Student Affairs) with a written defence, supporting evidence and a list of the individuals who will also be attending, as well as their capacity (ie. witness, support person, advocate) no later than the date specified in the notice of allegation. Any evidence or documentation provided after the deadline for submission may be ruled inadmissible by the Hearing Panel at the hearing.
10. The Chair of the Senate Discipline Committee shall constitute a Hearing Panel in a timely manner comprising three faculty and two students. No faculty member who is a current instructor of the accused student may serve as a member of the Hearing Panel. The student member of a Hearing Panel shall not be a member of the course from which the complaint originates. In the event that no student members of the Committee are able to participate on a Hearing Panel due to the provisions of this paragraph, the Dalhousie Student Union shall appoint an ad hoc member to the applicable Hearing Panel. The Committee Chair or an alternate faculty member shall chair the hearing.
11. The Student and University Representative shall be notified of the date, time and location of the hearing, as well as the names of all individuals who will be in attendance, no less than 10 working days in advance of the hearing.
12. Preliminary objections or issues must be raised as far in advance of the hearing as reasonably possible. The Chair of the Hearing Panel has sole discretion to rule on any preliminary issues or objections raised by either party that must be dealt with prior to the commencement of the hearing. The Hearing Panel may rule on any preliminary issues or objections raised at the commencement of the hearing.

Hearing Procedures

13. The Chair of the Hearing Panel shall determine procedures for the hearing in a manner that is consistent with the principles of natural justice and these Procedures.

14. In extenuating circumstances, the Chair of the Hearing Panel may decide to proceed with the hearing in the absence of one faculty member of the Hearing Panel.
15. In the event that the student fails to appear at the hearing, the Hearing Panel shall satisfy itself that reasonable efforts were made to notify the student and may proceed in the student's absence.
16. The student may participate at an oral hearing in person, by way of teleconference, or by such other means approved in advance by the Hearing Panel. The student may waive the right to an oral hearing and choose to proceed solely by written submissions.
17. Hearings shall be in camera.
18. At the commencement of the hearing, the Chair of the Hearing Panel shall explain the procedures to be followed and provide an opportunity for introductions as well as any questions, objections, or opening statements.
19. The University Representative shall present the Allegation and witnesses, if any. The student and any members of the Hearing Panel may question the University Representative and the University Representative's witnesses following the presentation of the Allegation.
20. The student may present his or her defence and witnesses, if any, following the University Representative's presentation. The University Representative and any members of the Hearing Panel may question the student and any of the student's witnesses following the presentation of the defence.
21. At the discretion of the Chair of the Hearing Panel, the parties may make final arguments following the presentations. The student shall have the last word.
22. At the discretion of the Hearing Panel, any evidence sought to be admitted by either party from witnesses who are not available to give evidence in person may be received in writing or in some other form.
23. The student is considered innocent until the Allegation is proven on a balance of probabilities, the burden of which lies with the University Representative.
24. The decision of the Hearing Panel shall be by majority.
25. The Hearing Panel shall report its decision including reasons for the decision and any penalty imposed, to the Vice-Chair (Student Affairs) who shall forward a copy of the decision to the student and the University Representative.
26. An audio recording of each oral hearing shall be made. The recording and all correspondence and documentary evidence relating to appeal proceedings shall be kept in accordance with the records management policies of the University Secretariat. The student may obtain a copy of the audio recording by making written request to the Senate Vice-Chair (Student Affairs) and may use such recording only for the purpose of an appeal of the decision in question.
27. Appeals from decisions of the Senate Discipline Committee may be made to the Senate Appeals Committee in accordance with the Senate Appeals Committee - Jurisdiction and Appeals Procedures.
28. The Senate shall maintain a confidential database of discipline decisions for the purposes of general reporting and proper adjudication of repeat offences.

University of King's College

The University of King's College Registrar shall notify the Dalhousie Registrar in the event that academic discipline proceedings have been commenced in relation to a Dalhousie student, and shall advise the Dalhousie Registrar of the outcome of such proceedings, including any sanctions imposed against the student. Where the student has been previously sanctioned for academic misconduct, the Dalhousie Registrar will provide the University of King's College Registrar with particulars of the offence and the sanction imposed.

I. Commentary on Penalties

A. Proactive Measures

Dalhousie University emphasizes education and proactive engagement, therefore a Proactive Measure, which is a form of recommendation, may be prescribed as an educational aid in addition to a Penalty. It may include but not necessarily be restricted to suggesting that the student seek some form of professional help from the Advising and Access Services Centre or Counseling Services or elsewhere which, for example may be time management or stress management, etc., and/or an apology for the infraction. The main purpose of a Proactive Measure is to help the student learn how to reduce the likelihood of future violations of academic integrity. It is important to note that it is the student's responsibility to decide whether or not to follow the Proactive Measure since it is not a formal Penalty but rather a recommendation. Therefore, there is normally no oversight by the University (AIO or SDC) to ensure that a Proactive Measure is followed.

B. Consequence

A Consequence is an outcome of the application of a Penalty. A Consequence is not imposed by the University's academic integrity policies but arises from the University's academic policies. For example the consequences of the Penalty of a failing grade may include but not necessarily be limited to: failure in a program, delay of graduation, loss of full-time student status, change in visa status (for a visa student), loss of eligibility for student aid, removal from the Dean's list. Similarly a notation on a transcript may have serious unforeseen consequences for future opportunities, etc. This list is not intended to be exhaustive. Therefore, while the university's academic integrity procedures (AIO or SDC) may foresee some consequences, ultimately the student bears the responsibility for any consequences of a Penalty.

Code of Student Conduct

I. Background

Dalhousie University is a community of faculty, staff and students, involved in teaching, research, learning and other activities. Students are members of the University for the period of their registration in an academic program and are subject to the disciplinary authority of the University during that time.

The University does not stand in loco parentis to its students. In the exercise of its disciplinary authority, the University treats students as adults free to organize their own personal lives, behaviour and associations subject only to the law, and to University regulations that are necessary to protect:

- the integrity and proper functioning of the academic and non-academic programs and activities of the University or its faculties, schools or departments;
- the peaceful and safe enjoyment of University facilities by other members of the University and the public;
- the freedom of members of the University to participate reasonably in the programs of the University and in activities on the University's premises;
- the property of the University or its members.

Other than this, regulation of student behaviour by the University is neither necessary nor appropriate.

Members of the University, including students, are not immune from the criminal and civil law. Provisions for non-academic discipline should not attempt to shelter students from the normal responsibilities of adult citizens nor add unnecessarily to these responsibilities. Thus, conduct that violates the Criminal Code or other statute should ordinarily be dealt with by the police and criminal courts. In cases, however, in which criminal or civil proceedings would not adequately protect the University's interest and responsibilities as defined above, proceedings may be brought under the Code of Student Conduct.

The University may also define standards of professional conduct for students in programs where these are appropriate, and this Code is not intended to replace or supersede such standards.

II. Code of Conduct

A. DEFINITIONS

1. In this Code, the word "premises" includes lands, buildings and grounds of the University, or other places or facilities used for the provision of the University's programs or services or for University-approved events and activities.
2. In this Code, "student" means a person:
 - (i) engaged in any academic work or placement which leads to the recording and/or issue of a mark, grade or statement of performance by the appropriate authority in the University or another institution; and/or
 - (ii) registered in, enrolled in, or attending any course or class, or otherwise participating as a learner in any activity which entitles the person to the use of a University library, library materials, library resources, computer facility or dataset.
3. In this Code, the words "Dalhousie University" refer to Dalhousie University and include any institutions affiliated with it, where such inclusion has been agreed upon by the University and the affiliated institution, with respect to the premises, facilities, equipment, services, activities, students and other members of the affiliated institution.
4. Unless otherwise stated, a student will only be liable for conduct that she or he knew or ought reasonably to have known would constitute conduct prohibited under this Code.

5. Nothing in this Code shall be construed to prohibit peaceful assemblies and demonstrations, or lawful picketing, or to inhibit freedom of speech.

B. APPLICATION

Conduct shall be deemed to be an offence under this Code, when committed by a student of Dalhousie University, provided that such conduct:

- (a) occurs on the premises of Dalhousie University;
- (b) occurs elsewhere in the course of activities sponsored by Dalhousie University (or by any of its faculties, schools or departments), or where the conduct is alleged to adversely affect, disrupt or interfere with another person's reasonable participation in Dalhousie University programs or activities; or
- (c) occurs in the context of a relationship between the student and a third party and involves the student's standing, status or academic record at the University.

However, this Code will not apply to conduct that:

- (i) is specifically assigned to another disciplinary body within the University; or
- (ii) is subject to action as an alleged failure to meet standards of professional conduct as required by a college, faculty or school; or
- (iii) is subject to action under a residence discipline policy unless some non-residence University interests are deemed to be involved, in which case the President may specifically authorize proceedings under this Code; or
- (iv) is committed by a student in her or his capacity as an employee of the University unless some non-employment University interests are deemed to be involved, in which case the President may specifically authorize proceedings under this Code;
- (v) is subject to the disciplinary authority of the Dalhousie Student Union.

C. OFFENCES

1. Offences Against Persons

- (a) No student shall assault another person sexually, or threaten any other person with sexual assault or commit an act of sexual harassment toward another person.
- (b) No student shall otherwise assault another person, threaten any other person with bodily harm, or cause any other person to fear bodily harm.
- (c) No student shall create a condition that unnecessarily endangers the health or safety of other persons.
- (d) No student shall threaten any other person with damage to such person's property, or cause any other person to fear damage to her or his property.
- (e) No student shall engage in a course of vexatious conduct, harassment or discrimination that is directed at one or more specific persons and that is based on the age, race, colour, religion, creed, sex, sexual orientation, physical disability, mental disability, an irrational fear of contracting an illness or disease, ethnic or national or aboriginal origin, family status, marital status, source of income, political belief or affiliation or activity of that person or of those with whom he or she associates.
- (f) No student shall engage in unwelcome or persistent conduct that the student knows, or ought to reasonably know, would cause another person to feel demeaned, intimidated or harassed. Examples of such conduct include, but are not limited to:
 - (i) following another person, or anyone known to that person;
 - (ii) unwanted communication with another person or anyone known to that person;
 - (iii) watching the residence or place of work of another person or anyone known to that person;
 - (iv) threatening another person or any member of the family, friends or colleagues of the other person;
 - (v) coercing, enticing or inciting a person to commit an act that is humiliating or demeaning to that other person or to others.

2. Disruption

No student shall, by action, threat or otherwise, disrupt, obstruct or adversely affect any activity organized by Dalhousie University or by any of its faculties, schools or departments, or the right of other persons to carry on their legitimate activities, to speak or to associate with others.

3. Offences Involving Property

(a) No student shall take without authorization, misuse, destroy, deface or damage the property of Dalhousie University, or property that is not her or his own, or information or intellectual property belonging to Dalhousie University or to any of its members. (b) No student shall possess the property of Dalhousie University, property in the custody of Dalhousie University, or property that is not her or his own, if the student knows that property to have been taken without authorization. (c) No student shall create a condition that unnecessarily endangers or threatens destruction of the property of Dalhousie University or of any of its members.

4. Unauthorized Use of University Facilities, Equipment or Services

- (a) No student shall use any facility, equipment or service of the University, or enter or remain on any premises, to which he or she does not have legitimate access, or contrary to the expressed instruction of authorized persons.
- (b) No student shall use any University computing equipment, facility, network or system for any disruptive or unauthorized purpose, or in a manner that violates any law, Dalhousie University regulations, policies and procedures or in any way that is incompatible with the principles in the Guide to Responsible Computing. Examples of inappropriate use of computer equipment, facilities, networks and systems include, but are not limited to:
 - (i) copying, removing or distributing software and/or data without authorization;
 - (ii) using another person's account, or misrepresenting themselves as another user;
 - (iii) disclosing confidential passwords, access codes, etc., assigned to themselves or others;
 - (iv) interfering with the work of others using computing equipment, facilities, networks, systems or accounts;
 - (v) displaying, transmitting, distributing or making available information that is discriminatory, obscene, abusive, derogatory, harassing or otherwise objectionable;

- (vi) breaching terms and conditions of software licensing agreements;
- (vii) interfering with the normal operation of computing equipment, facilities, networks or systems by, among other things, flooding the network with messages, sending chain letters or pyramid solicitations;
- (viii) using the University's computing equipment, facilities, networks and systems for profit or commercial gain.
- (c) No student shall destroy, misplace, misfile, or render inoperable any stored information such as books, film, data files or programs from a library, computer or other information storage, processing or retrieval system.
- 5. **Aiding in the Commission of an Offence** No student shall encourage or aid another student in the commission of an offence defined in this Code, or encourage or aid behaviour by a non-student which, if committed by a student, would be an offence under this Code.
- 6. **Alcohol and Drug Use** No student shall contravene the Liquor License Act of Nova Scotia or a provision of the Campus Alcohol Policy, nor shall any student possess, use or sell a drug to which access is restricted by the Narcotics Control Act.
- 7. **False Information and Identification**
 - (a) No student shall knowingly furnish false information to any person or office acting on behalf of the University.
 - (b) No student shall forge, alter or misuse any document, record or instrument of identification.
 - (c) No student shall knowingly furnish false information to any person regarding his or her standing, status or academic record at Dalhousie University.
- 8. **Unauthorized Possession of a Firearm or Weapon** No student shall possess a firearm or other weapon on the University premises without the specific written permission of the Chief of Security.
- 9. **Contravention of University Regulations** When a rule, regulation or policy of the University prohibits or proscribes certain conduct but does not provide any penalty for breaches of the rule, regulation or policy, breaches shall be dealt with under this Code.
- 10. **Other** No student shall contravene any provision of the Criminal Code or any other federal, provincial or municipal statute on the premises of the University or in the course of the University's programs or services, or University-approved events or activities.

D. PROCEDURES

1. Any person may make a complaint under this Code against any student for misconduct. A complaint must be addressed in writing to Vice-Provost, Student Affairs and shall contain:
 - a. the basis for the allegation;
 - b. relevant supporting documents, evidence and details (e.g. time and date(s) of the offence);
 - c. any other individual(s) with knowledge; and
 - d. names of witnesses, if any.
2. Whenever possible and appropriate, reasonable and informal measures shall be used to resolve issues of individual behaviour. The Vice-Provost, Student Affairs, or designate, may recommend to a complainant that other avenues of resolution be pursued before resort is made to formal disciplinary measures pursuant to this Code.
3. All complaints shall be submitted within 30 calendar days of the date that the offence is alleged to have occurred. An extension of time to submit a complaint may be permitted by the Vice-Provost, Student Affairs, or designate, where there is a bona fide reason to do so and where those affected by the allegation will not be unduly prejudiced.
4. Upon receipt of a complaint, the Vice-Provost, Student Affairs, or designate shall determine whether or not the complaint has been properly brought under the Code or whether the material supports a prima facie case that an offence has been committed under the Code. The Vice-Provost, Student Affairs, or designate, may request more information from the complainant before any further steps are taken. If no prima facie case is made out, no further steps are taken in relation to the complaint, and the complainant will be so advised in writing.
5. In the event that the Vice-Provost, Student Affairs, or designate, determines that the material supports a prima facie case, the following steps shall be taken:
 - a. The Vice-Provost, Student Affairs, or designate shall inform the respondent in writing of the nature of the allegation, the complaint, the evidence, the procedures to be followed, the possible penalties, and possible sources of advice and support. Along with notice of the complaint, the respondent shall be advised of her/his right to be represented throughout the process, including by a Student Advocate.
 - b. If deemed necessary, an investigation will be conducted by the Vice-Provost, Student Affairs, or designate, which may include meetings with the complainant, respondent, and witnesses.
 - c. The Vice-Provost, Student Affairs, or designate shall convene a meeting with the respondent(s) to discuss the complaint and their response to the allegations.
6. Where there are criminal or civil proceedings pending against the student for conduct related to the complaint, the Vice-Provost, Student Affairs may defer investigation of the complaint on such terms and conditions as are appropriate in the circumstances (including an interim suspension) until the conclusion of all or part of such proceedings where the circumstances of the case warrant. Conviction of a criminal offence will be considered prima facie evidence of a parallel offence under this Code.
7. Following the investigation, the Vice-Provost, Student Affairs, or designate shall determine whether there is sufficient evidence to support a finding that the student has committed an offence, and if so, will determine which disposition will be most appropriate in the circumstances:
 - a. Informal Resolution (resolution of the complaint is mutually agreed upon among the Vice-Provost, Student Affairs, or designate, the complainant and the respondent); or
 - b. Referral to the Senate Discipline Committee for a disciplinary hearing.
8. If an informal disposition of the complaint results, such disposition shall be final, and there shall be no subsequent proceedings. An agreement that a student will voluntarily withdraw from the University for a period of time, or not re-register, may be part of an informal resolution of a complaint. In such instances, this will not be recorded on the student's academic record, but a 'block' on further registration may be imposed.
9. Where the parties attempt to resolve the complaint through an informal resolution, but in the opinion of Vice-Provost, Student Affairs, or designate, an informal resolution cannot be reached, the Vice-Provost, Student Affairs, or designate, shall refer the complaint to the Senate Discipline Committee for a formal hearing.
10. Notwithstanding paragraph 7, the Vice-Provost, Student Affairs, or designate, may determine at any time that the case is serious enough that a suspension or expulsion may be required, in which case the matter shall be referred to the Senate Discipline Committee for a disciplinary hearing (See Section E – Sanctions). The Vice-Provost, Student Affairs, or designate, shall notify the student in writing, with a copy to the complainant, that the matter will be forwarded to the Senate Discipline Committee.
11. Hearings conducted by the Senate Discipline Committee shall be according to procedures determined by the Committee. The President, or designate, shall appoint a University Representative to present the complaint.
12. Any statements a respondent makes to the Vice-Provost, Student Affairs, or designate in the course of an attempt to resolve a complaint through informal or formal dispositions may not be submitted to the Senate Discipline Committee as evidence in a subsequent hearing.
13. The Vice-Provost, Student Affairs, shall report annually to Senate regarding the number and nature of all complaints, including the manner in which they are disposed of or resolved.

E. SANCTIONS

1. In each case in which the Senate Discipline Committee determines that a student has violated this Code, the sanction(s) shall be determined and imposed by the Committee.
2. The following sanctions may be imposed upon any student found to have violated this Code:
 - a. Warning – A notice in writing to the student that the student is violating or has violated institutional regulations.
 - b. Probation – A written reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to be violating any institutional regulation(s) during the probationary period.
 - c. Loss of Privileges – Denial of specified privileges for a designated period of time.
 - d. Restitution – Compensation for loss, damage or injury. This may take the form of appropriate service and/or monetary or material replacement.
 - e. Discretionary Sanctions – Work assignments, service to the University or other such discretionary assignments that are considered appropriate.
 - f. Conditions – Conditions may be imposed upon a student's continued attendance.
 - g. University Suspension – Suspension of the student from the University for a specified period of time, after which the student is eligible to return. Conditions for readmission may be specified.
 - h. University Expulsion – Permanent separation of the student from the University.

F. INTERIM SUSPENSION

In the following circumstances, the President of the University, or a designate, may impose an interim suspension prior to the hearing before the Committee.

1. Interim suspension may be imposed only: (a) to ensure the safety and well-being of members of the University community or preservation of University property; (b) to ensure the student's own physical or emotional safety and well-being; or (c) if the student poses a threat of disruption or of interference with the operations of the University or the activities of its members.
2. During the interim suspension, students may be denied access to specified campus facilities (including classes) and/or any other University activities or privileges for which the student might otherwise be eligible, as the President or the designate may determine to be appropriate.
3. A student who is the subject of an interim suspension may request a hearing before the Senate Discipline Committee on the issue of the interim suspension itself. This request shall be submitted in writing, with reasons, to the Secretary of Senate. The Committee shall hear the matter, including submissions by the President or designate, within ten working days, and shall have the authority to confirm, negate, or alter the terms of the interim suspension.

Hazing Policy

A. Background & Purpose

Members of the University community share values that are at the center of campus life. Members of the University community are expected to aspire to the highest standards of campus community life based on common principles, including:

- Community
- Respect
- Accountability
- Diversity
- Safety

To help ensure the best possible student experience, University community members share the responsibility for welcoming and orienting new members of the University community in a positive way.

The purpose of this Policy is to identify activities that breach generally accepted standards of conduct when participating in student group activities and provide a process for dealing with allegations of Hazing in an appropriate and timely manner.

B. Application

This Policy applies to participation in Hazing by a member of the University community that occurs:

- (a) on the premises of Dalhousie;
- (b) off of Dalhousie premises in the course of activities sponsored by Dalhousie (or any of its Faculties, Schools, Departments or administrative units) or the Dalhousie Student Union or Dalhousie Student Union societies; or
- (c) where the conduct is alleged to adversely affect, disrupt or interfere with a student's reasonable participation in Dalhousie programs or activities.

C. Definitions

1. In this Policy:
 - a. "Complainant" means an individual who makes an allegation of Hazing under this Policy.
 - b. "Respondent" means an individual against whom an allegation of Hazing is directed or who becomes the subject of an investigation. Respondents may include individuals who planned, implemented or participated (actively, passively or as a bystander) in Hazing.
 - c. "Hazing" means any activity expected of a student wishing to join a group (or of a student wishing to gain or maintain full status in a group) which humiliates, degrades, abuses, endangers, or subordinates that student, regardless of his or her apparent willingness to engage in the activity.
 - d. "Student Leaders" means students involved in a leadership position with a group, which students are not acting as Employees of Dalhousie
 - e. "Employee(s)" means any person employed by the University and may include students.
 - f. "Restorative process" refers to processes designed to create meaningful reflection and interaction between respondents and complainants (or others impacted by a Hazing incident) for educational and healing purposes. Use of restorative processes does not preclude other remedies or sanctions.
 - g. "Unit Head" means:
 - a. For Varsity Athletics, the Athletics Director.
 - b. For residences, the applicable Residence Life Manager.
 - c. For Dalhousie Student Union societies and clubs, the Vice President (Internal) of the Dalhousie Student Union.
 - d. For intramurals and clubs, the Student Life Manager.
 - e. For academic student activities, the Dean of the Faculty connected with the impugned activity.
 - f. For all other student activities not specifically addressed in this definition, the Executive Director, Student Life.

D. Policy

1. No member of the University community shall be involved in planning, implementing, or participating (actively, passively or as a bystander) in Hazing.
2. It is no defence to an allegation of Hazing that:
 - a. Express or implied consent of the student was obtained or participation was voluntary;
 - b. The conduct or activity was not part of an official group or was otherwise sanctioned or approved; or
 - c. The conduct was not an explicit condition or affiliation of membership with the organization or group.
3. Where a member of the University community has reasonable grounds to believe that Hazing is occurring or has occurred, he or she is under a positive obligation to take all reasonable steps to stop the Hazing and report Hazing promptly under this Policy.
4. All members of the University community shall cooperate in any investigation process initiated under this Policy.
5. There will be no retaliation against any person on account of an allegation or an expressed intention to make an allegation under this Policy or on account of evidence or assistance given in relation to a proposed allegation under this Policy. Disciplinary action in response to retaliation will be addressed in accordance with applicable disciplinary processes.
6. Any communication or information gathered in any case is confidential except to the extent that disclosure is necessary to effectively implement this Policy or to undertake any disciplinary or remedial steps arising from a decision made under this Policy. Disciplinary action in response to a breach of confidentiality will be addressed in accordance with applicable disciplinary processes.
7. An allegation made in bad faith (with a conscious design to mislead or deceive, or with a malicious or fraudulent intent) may constitute grounds for disciplinary action against the Complainant, which will be addressed in accordance with applicable disciplinary processes.
8. All allegations of Hazing shall be reported in accordance with the terms of this Policy.

E. Administrative Structure

1. Authority: This Policy falls under the authority of the Provost.
2. Executive Director, Student Life: The Executive Director, Student Life is responsible for promoting the objectives of this Policy, receiving allegations of Hazing and determining the appropriate process for investigating allegations of Hazing.
3. Hazing Allegation Investigators: There shall be three Hazing Allegation Investigators who shall be responsible for conducting investigations into allegations of Hazing referred to the Investigation Committee. All Hazing Allegation Investigators shall be appointed by the Vice-Provost, Student Affairs. The Hazing Allegation Investigators shall include the Manager of Student Conflict Resolution, a representative from Security Services and an individual not from those offices who has investigative experience.
4. Hazing Committee: There shall be a Hazing Committee comprising the three Hazing Allegation Investigators, the Executive Director, Student Life, the Manager of Student Conflict Resolution, a representative from Security Services and a representative from Legal Counsel Office who shall meet at least once a year to discuss any issues arising out of this Policy.
5. Conflicts of Interest: Where the Vice-Provost, Student Affairs is unable to discharge his or her responsibilities under this Policy in relation to a particular allegation due to a potential conflict of interest, as defined by the University Policy on Conflict of Interest, his or her responsibilities under this Policy shall be assigned to the Vice-President Academic or designate. Where the Executive Director, Student Life is unable to deal with an allegation of Hazing, his or her responsibility under this Policy for the purpose of the allegation in question shall be assigned to the Vice-Provost, Student Affairs.
6. Record-keeping: Records of all allegations, investigations, and decisions made under this Policy will be kept separate from all other university records and will be maintained and stored securely and confidentially under the care and control of the Executive Director, Student Life.
7. Annual Reporting to the Vice-Provost, Student Affairs: At the end of each academic year, the Executive Director, Student Life will deliver an annual report to the Vice-Provost, Student Affairs which will include
 - a. The number of allegations received under this Policy;
 - b. A representation of the allegations by kind of outcomes (e.g., dismissal of allegations, departmental resolution, investigation through Code of Student Conduct, etc);
 - c. A representation of the outcomes applied as a result of a finding of Hazing.

F.1 Reporting Procedures

1. **Safe Reporting:** There may be exceptional situations where an individual has a reasonable concern that his or her personal safety may be compromised by raising an allegation of Hazing. Such persons may initiate a confidential conversation with the Executive Director, Student Life or submit an anonymous written allegation to the Executive Director, Student Life. Where considered appropriate, the Executive Director, Student Life may accept unwritten anonymous complaints in a form the Executive Director, Student Life, deems appropriate. Whether or not an anonymous allegation can proceed in the absence of an identified Complainant will be determined by the Executive Director, Student Life, in his or her sole discretion, having regard to all of the circumstances of the case and the evidence available. If the individual does not feel safe reporting to the Executive Director, Student Life they may file an allegation through the Office of Human Rights, Equity and Harassment Prevention.
2. **Confidential Consultation:** If a person is uncertain whether an activity or activities constitute Hazing, he or she may contact the Executive Director, Student Life to discuss the matter on a confidential basis.
3. **Who may make allegations:** Allegations of Hazing may be made by any member of the University community who has reasonable grounds to suspect that Hazing is occurring or has occurred.
4. **Filing Allegations of Hazing:** Other than complaints arising from Varsity Athletics as set out in Section F.2 of this Policy, allegations of Hazing must be made in writing to the Executive Director, Student Life as promptly as possible upon becoming aware of the alleged Hazing. Allegations should include supporting documentation and information where available.
5. **Process advice:** The Executive Director, Student Life will provide any Complainant with a copy of this Policy and will explain the processes for dealing with allegations under this Policy.
6. **Initial Assessment:** Within 10 business days of receipt of the allegation, the Executive Director, Student Life shall make an initial assessment of the allegation. The Executive Director, Student Life may request further information from the Complainant or others if required to assist in the assessment. The Executive Director, Student Life may:
 - a. Conclude that the allegation does not establish sufficient evidence to warrant further consideration, and advise the Complainant that the matter will be discontinued.
 - b. Conclude that there is sufficient evidence of possible Hazing to warrant further consideration; or
 - c. Conclude that the allegation(s) may raise an issue of illegal activity and notify the appropriate authorities.
7. **Process Determination:** In the event the Executive Director, Student Life concludes that there is sufficient evidence of possible Hazing to warrant further consideration he or she will refer the matter to one of the following processes:
 - a. Allegations shall be referred to the Unit Head in accordance with the terms of this Policy where the alleged Hazing involved no more than one Respondent and where the remedies and sanctions available to a Unit Head are sufficient for a reasonable resolution given the impact of the hazing.
 - b. Allegations shall be referred to the Code of Student Conduct in accordance with the terms of this Policy where the alleged Hazing involved no more than two Respondents and where the remedies and sanctions available to a Unit Head are insufficient for a reasonable resolution given the impact of the hazing.
 - c. Allegations shall be referred to the Investigation Committee where the alleged Hazing involved more than two Respondents.
8. **Extraordinary Interim Remedies:** In extraordinary circumstances, where the Executive Director, Student Life has reasonable basis to believe that evidence necessary to assess the allegation of Hazing will not be appropriately preserved or that there is a risk of significant continuing harm, the Executive Director, Student Life may, with or without notice to the Respondent(s), cause the appropriate administrative officers to locate, collect, inventory and secure all of the relevant original records, or copies if the originals are unavailable, to prevent the loss, alteration or fraudulent creation of records.
9. **Extension of Time Limits:** Any time limit set out in this Policy may be extended at the discretion of the Executive Director, Student Life where there is a bona fide reason to do so and where those affected by the allegation will not be unduly prejudiced.

F.2 Reporting Allegations – Varsity Athletics

1. **Filing of Allegations – Varsity Athletics:**
 - a. Allegations of Hazing in Varsity Athletics which are reported to the Varsity head coach, or which the Varsity head coach becomes aware of, shall be dealt with in the first instance by that head coach.
 - b. Each allegation of Hazing reported to the head coach shall be reported to the Director, Varsity Athletics and the Executive Director, Student Life, including a report of any restorative, remedial and disciplinary action taken by the head coach. The Director, Varsity Athletics shall determine if the matter needs to be referred to the Executive Director, Student Life for further action under this Policy.
 - c. Varsity athletes shall, in all circumstance, be permitted to report instances of Hazing directly to the Executive Director, Student Life.
 - d. In circumstances where the head coach has already taken action, the Executive Director, Student Life shall determine if further action is required under this Policy.

F.3 Procedures for Matters Referred to Unit Heads

1. **Referral to the Unit Head:** If the Executive Director, Student Life concludes that there is sufficient evidence of possible Hazing to warrant a referral to the Unit Head for assessment the Executive Director, Student Life shall provide the Respondent with a copy of the Allegation, a copy of this Policy and notice of the Procedures under which the allegation will be investigated. A copy of the notice to the Respondent and the allegation will also be forwarded to the Unit Head.
2. **Assessment:** Within 10 working days of receipt of the referral the Unit Head will assess the allegation in accordance with the following process:
 - a. The Unit Head will meet with Complainant(s) to give him or her an opportunity to present his or her allegation and to identify other relevant information and witnesses;
 - b. The Unit Head will then meet with the Respondent (s), to give him or her an opportunity to address the allegation and identify relevant information and witnesses.
 - c. The Unit Head may meet with any other individuals whom they deem relevant to the allegation, and may request access to, or production of, records or information that they deem relevant to the assessment.
 - d. The Unit Head will document the information provided in each of the meetings set out in subsections (a), (b) and (c) above.
3. **Referral Back to the Executive Director, Student Life:** If at any point during the assessment process the Unit Head determines that the allegations of Hazing are more severe than initially anticipated, he or she may, in consultation with the Executive Director, Student Life, refer the matter back to the Executive Director, Student Life for a re-determination of the appropriate process.

4. Decision: The Unit Head shall, having regard to all information received during his or her assessment of the allegation, make a determination of whether there has been Hazing, and if there has been Hazing, what restorative processes, remedies and/or sanctions will be imposed.
5. Restorative Process, Remedial Action and Sanctions: In each case where the Unit Head determines that a student, who is not acting in his/her role as an Employee, has participated in Hazing the Unit Head may impose one or more of the following:
 - a. In conjunction with the advice of the Manager, Student Conflict Resolution, a restorative process to engage respondent(s) in meaningful reflection and action with those impacted by the Hazing incident;
 - b. Temporary removal from a group;
 - c. Temporary loss of access to facilities or support services;
 - d. Participation in educational or remedial programs;
 - e. Community service;
 - f. Any other sanction which does not otherwise permanently impact the individual's privileges.
6. Employees: In a case where the Unit Head determines that an Employee, including a student acting in their role as an Employee, has participated in Hazing, the matter shall be referred to Human Resources to be addressed in accordance with applicable employee disciplinary processes.
7. Communication of Decision: The Unit Head will report in writing the outcome of the case to the Respondent in ways that appropriately address any privacy and security issues. Where the Complainant has a legitimate interest in the outcome of an investigation, the Unit Head will report in writing to the Complainant in ways that appropriately address any privacy or security concerns.
8. Reporting of Decisions: The outcome of each assessment shall be reported to the Executive Director, Student Life, including a report of any sanctions or remedies imposed.

F.4 Procedures for Matters Referred to the Code of Student Conduct

1. Referral to Vice-Provost, Student Affairs: The Executive Director, Student Life shall forward the written allegation to the Vice-President Student Services in accordance with the Code of Student Conduct. Following referral to the Vice-Provost, Student Affairs all issues arising out of the allegation, including appeals, shall be dealt with in accordance with the Code of Student Conduct.

F.5 Procedures for Matters Referred to the Investigation Committee

1. Notifying the Respondent: If the Executive Director, Student Life concludes that there is sufficient evidence of possible Hazing to warrant a referral to the Investigation Committee the Executive Director, Student Life shall provide the Respondent with a copy of the Allegation, a copy of this Policy and notice of the Procedures under which the allegation will be investigated.
2. Representation: Respondents may have representation if they choose.
3. Informal Resolution: Prior to initiating an investigation, the Executive Director, Student Life will explore the possibility of informal resolution. Attempts at informal resolution may be made at any stage of the process. Any informal resolution shall be with the consensus of the Respondent(s) and, where the Complainant has a legitimate interest in the outcome of an investigation, the Complainant.
4. Investigation: If informal resolution is not reached within 10 working days of notifying the Respondent, the Executive Director, Student Life shall initiate an investigation. The investigation shall be concluded (including the delivery of the investigation report set out in section F.5.13) within 60 calendar days of its initiation, in accordance with the following process:
 - a. The Executive Director, Student Life will provide the Respondent(s) 10 working days to provide to the Executive Director, Student Life his or her written response to the allegation.
 - b. The Executive Director, Student Life will appoint an Investigation Committee comprising two of the Hazing Allegation Investigators.
 - c. The Executive Director, Student Life will provide the Investigation Committee with a copy of the Allegation, the Response, and will provide guidance on the process.
 - d. The Investigation Committee will meet with the Complainant(s) to give him or her an opportunity to present his or her allegation and to identify other relevant information and witnesses.
 - e. The Investigation Committee will then meet with the Respondent(s), to give him or her an opportunity to address the allegation and to identify other relevant information and witnesses.
 - f. The Investigation Committee may meet with any other individuals whom they deem relevant to the allegation, and may request access to, or production of, information or records that they deem relevant to the allegation.
 - g. The Investigation Committee may meet subsequently with the Complainant(s) and/or the Respondent(s) in light of information they have received in the course of the investigation.
 - h. The Investigation Committee will have a note-taker present at all meetings with the Complainant(s), the Respondent(s) or other individuals who are deemed relevant to the allegation.
 - i. Each interview will be summarized in writing by the Investigating Committee in the form of an interview report, which will be forwarded to the interviewee for confirmation that the report fairly summarizes the interview. In the event an interviewee believes that the report does not fairly summarize their interview they may provide written comments to the Investigating Committee which must be provided to the Committee within two working days of receiving the report.
5. Investigation Report: The Investigation Committee will review all of the information gathered in the course of the investigation and submit an investigation report to the Executive Director, Student Life that includes:
 - a. A summary of the allegation(s);
 - b. A summary of the response;
 - c. An analysis of the evidence relevant to the matters raised;
 - d. Findings of fact with respect to the allegation(s) together with supporting reasons;
 - e. A determination of whether there has been Hazing;
 - f. Where Hazing is found, an assessment of the severity of the Hazing and a review of any mitigating factors; and
 - g. Where Hazing is found, recommendations on appropriate restorative processes, remedies and sanctions.
6. Consideration by Vice-Provost, Student Affairs: The Executive Director, Student Life will forward the investigation report to the Vice-Provost, Student Affairs. The Vice-Provost, Student Affairs may request additional information or clarification from the Executive Director, Student Life if necessary to make a determination.
7. Outcomes:

- a. The Vice-Provost, Student Affairs shall consider the report and, where a finding of Hazing has been made, make and record a decision as to what sanctions or remedies will be imposed.
- b. In the event that the Vice-Provost, Student Affairs imposes remedies or sanctions which differ from the recommendations of the Investigation Committee, the Vice-Provost, Student Affairs shall also include in the record a summary of the nature and basis of the Investigation Committee's recommendations and the reason(s) forming the basis for the alternate recommendation.
8. **Remedies and Sanctions:** In each case where the Vice-Provost, Student Affairs determines that a student, who is not acting in their role as an Employee, has participated in Hazing he or she may impose one or more of the sanctions and remedies:
 - a. Suspension of some or all individual or group privileges.
 - b. Placing the group or individuals on non-academic probation for a set period of time.
 - c. Removal from a group, including varsity athletic teams.
 - d. Removal from leadership positions with groups (group executive, team captaincy, etc.).
 - e. Loss of access to facilities or support services.
 - f. Mandatory education sessions for executive and/or members.
 - g. Community service.
 - h. Financial restitution and compensation for any loss, damage or injury.
 - i. Any other sanction which is considered appropriate in the circumstances.
9. **Employees:** In each case where the Vice-Provost, Student Affairs determines that an Employee, including students who are acting in their role as an Employee, has participated in Hazing the matter shall be referred to Human Resources to be addressed in accordance with the applicable employee disciplinary processes.
10. **Communication of Decision:** The Vice-Provost, Student Affairs will report in writing the outcome of the case to the Respondent in ways that appropriately address any privacy and security issues. Where the Complainant has a legitimate interest in the outcome of an investigation, the Vice-Provost, Student Affairs will report in writing to the Complainant in ways that appropriately address any privacy or security concerns.

F.6 Appeals

1. **Unit Head Decisions** – All decisions of the Unit Head are final and there is no appeal of those decisions.
2. **Varsity Head Coach Decisions** - All decisions of the Varsity head coaches are final and there is no appeal of those decisions.
3. **Vice President Student Services Decisions**
 - a. Decisions made by the Vice-Provost, Student Affairs shall be appealable to the Senate Appeals Committee.
 - b. Appeals must be filed within 30 calendar days of the date the student was notified of the decision.

Protection of Property

1. Dalhousie University is the owner and/or occupier of the lands and buildings which comprise its campuses. In addition to all other processes set out in this Calendar (including the Code of Student conduct), the University reserves the right to exercise all rights and remedies available to it pursuant to any statute, by-law, regulation, ordinance, order, or otherwise, in order to protect campus property and those who use it.
2. Without limiting the foregoing, Dalhousie University may issue a notice against a student pursuant to the *Protection of Property Act* prohibiting entry to all or part of the campuses or prohibiting a particular activity or activities on all or part of the campuses, where circumstances warrant. Such a notice may be issued either separately or in conjunction with the procedures set out in the Code of Student Conduct. The notice may be in force for the period stated in the notice which will normally be for up to one calendar year. If considered appropriate by the Vice-President, Student Services, a notice may be renewed for further periods.
3. A notice under the *Protection of Property Act* may also be issued by Dalhousie University in relation to the Student Union Building at the request of the Student Union. In the case of urgent or emergency situations, such a notice may be issued immediately. If the Student Union request is to have a prohibition extend beyond seven days for a registered Dalhousie University student, the Student Union shall make a written request to the Vice-President, Student Services, providing detailed reasons for the request and the process followed leading up to the request for the notice, including details of when the student was advised that his or her behaviour or activities were inappropriate and ought to cease, the reasons provided to the student, and whether the student was afforded the opportunity to respond or to rectify behaviors or cease the inappropriate activity.
4. A Dalhousie University student may appeal any notice issued against him or her under the *Protection of Property Act* in writing to the Vice-President, Student Services.

Senate Appeals Committee

Jurisdiction of the Senate Appeals Committee

1. The Senate Appeals Committee has appellate jurisdiction.
2. The Senate Appeals Committee is not an investigative body.
3. The Senate Appeals Committee does not receive or determine:
 - a) allegations of discrimination, which are addressed under the Statement on Prohibited Discrimination, or
 - b) requests for accommodation, which are addressed under the Accommodation Policy for Students.
4. The Senate Appeals Committee shall consider the following appeals initiated by students:
 - a) Academic appeals from decisions or the refusal to make decisions at the Faculty level regarding academic standards, academic evaluation, academic progression, academic advancement, or the application of other University or Faculty academic regulations.
 - b) Discipline appeals from decisions of the Senate Discipline Committee.
5. An appeal may be initiated on the following grounds:
 - a) the decision under appeal was made without jurisdiction,

- b) a denial of natural justice, or
 - c) unfairness in the application of the relevant regulations regarding academic standards, academic evaluation, academic progression, academic advancement, or other University or Faculty academic regulations.
6. The Senate Appeals Committee shall not consider appeals:
- a) by students in an academic appeal who have not exhausted the approved appeal processes of the relevant Faculty,
 - b) by students from the decision of a Faculty regarding professional unsuitability, said appeals falling under the jurisdiction of the Senate Steering Committee,
 - c) by a Faculty or faculty members,
 - d) by applicants for admission to University programs, or
 - e) by applicants for scholarships, awards or bursaries.
7. A Hearing Panel of the Senate Appeals Committee may:
- a) dismiss the appeal,
 - b) allow the decision under appeal to stand, despite possible insubstantial procedural errors,
 - c) in an academic appeal, allow the appeal, with an appropriate remedy within the authority of Senate,
 - d) in a discipline appeal, allow the appeal and:
 - a) quash the decision of the Senate Discipline Committee in its entirety,
 - b) re-hear the matter itself, with the consent of the Appellant and the Faculty, or
 - c) direct a re-hearing on the merits by a newly constituted panel of the Senate Discipline Committee, no members of which were on the hearing panel whose decision was under appeal.
8. In an academic appeal, the Hearing Panel shall not conduct a substantive evaluation of the work of a student, but if unfairness in the evaluation procedure is established, the Panel may direct a re-evaluation of the work to be conducted by qualified persons designated by the Panel.

Appeals Procedures

1. An appeal shall be initiated by submitting a written Notice of Appeal to the Senate Vice-Chair (Student Affairs), or designate, containing:
 - a) the name, Banner identification number and mailing address of the Appellant,
 - b) a copy of the decision giving rise to the appeal,
 - c) a description of the matter under appeal,
 - d) the grounds for the appeal, and
 - e) the remedy sought by the Appellant.
2. An academic appeal alleging the refusal to make a decision at the Faculty level shall be submitted with reasonable promptness. All other appeals shall be submitted within 30 calendar days of the date that the decision under appeal was sent to the student. An extension of time to submit an appeal may be permitted by the Senate Vice-Chair (Academic Administration), or designate, if the Appellant establishes reasonable grounds for granting the extension.
3. The parties to an appeal are the student, as Appellant, and the Faculty, as Respondent. In an academic appeal, the Dean of the applicable Faculty shall designate one or more representatives to respond to the appeal. In a discipline appeal, the Academic Integrity Officer of the applicable Faculty, or designate, shall respond to the appeal.
4. Upon receiving notice of an academic appeal, the Senate Vice-Chair (Student Affairs) shall require a statement from the Dean of the applicable Faculty confirming that all appeal processes of the Faculty have been exhausted.
5. For each appeal, the Chair of the Committee shall constitute a Hearing Panel in a timely manner. The Hearing Panel shall consist of four faculty members and one student member of the Committee, and shall choose its own Chair. None of the faculty members of a Hearing Panel shall be a member of the Faculty from which the appeal originally emanates or belong to the department or program in which the student is or was enrolled. The student member of a Hearing Panel shall not be a member of the course, department, program, School or College from which the appeal emanates. In the event neither student member of the Committee is able to participate on a Hearing Panel due to the provisions of this paragraph, the Dalhousie Student Union shall appoint an ad hoc member to the applicable Hearing Panel.
6. The Appellant is entitled to an oral hearing, in accordance with the principles of natural justice. The Appellant may participate at an oral hearing in person, or at their expense, by way of teleconference, or by such other means approved in advance by the Hearing Panel. The Appellant may waive the right to an oral hearing and choose to proceed solely by written submissions.
7. Each party is responsible for presenting to the Hearing Panel all relevant evidence and submissions for the Panel to consider in the determination of the appeal. Written submissions are required from each party and shall contain:
 - a) copies of all documents relevant to the appeal,
 - b) supporting arguments,
 - c) a list of all witnesses for that party and a brief description of their anticipated evidence, and
 - d) the decision and any remedy being sought.
8. Written submissions shall be made:
 - a) by the Appellant, within 15 calendar days of the Senate Vice-Chair (Student Affairs) requesting the submission, and
 - b) by the Respondent, within 15 calendar days of receiving the Appellant's submission.
 but these timelines may be extended or abridged by the Senate Vice-Chair (Student Affairs), or designate, in appropriate circumstances.
9. The hearing of each appeal shall be in camera. The Chair of the Hearing Panel shall determine procedures for the hearing in a manner that is consistent with the principles of natural justice and these Procedures. In extenuating circumstances, the Chair of the Hearing Panel may decide to proceed with the hearing in the absence of one faculty member of the Hearing Panel.
10. The decision of the Hearing Panel shall be by majority. The Hearing Panel shall deliver written reasons for its decision to the Senate Vice-Chair (Student Affairs). The decision of the Hearing Panel shall be final and binding on the parties, with no further appeal.
11. An audio recording of each oral hearing shall be made. The recording and all correspondence and documentary evidence relating to appeal proceedings shall be kept for a period of three calendar years from the date of the decision of the Hearing Panel, in accordance with the policy of the University Secretariat.

Suspension or Dismissal from a Program on the Grounds of Professional Unsuitability Faculty of Health Professions

The Faculty of Health Professions, acting through its Committees on Studies at the School/College and Faculty levels, and in consultation with the Directors and Dean,

may suspend or terminate a student from a program if the student is judged to be unsuitable for the profession in which s/he is studying. Because of the nature of the study and practice of the various health professions, which places care givers in a position of special trust, certain impairments or some types of conduct unbecoming to a member of a health profession may be grounds for suspension or dismissal.

The following list includes examples of behaviors that might indicate unsuitability for the various health professions. The nature of these behaviors is such that, should any of them ever be repeated, grievous harm could be caused to clients. This list should not be considered to be all inclusive:

1. a criminal act (e.g., assault, sexual assault, fraud, and drug trafficking) which according to established Faculty processes was determined to be of such a nature as to bring disrepute to the profession, or by which in the opinion of the Faculty, the student demonstrated poor judgment, lack of integrity or (other) unsuitability for the profession; or evidence that, on the balance of probability, the student had committed such an act;
2. being under the influence of alcohol or drugs while participating in client care, any other professional activity, or any activity related to the practice of the health profession;
3. in accordance with provisions of the Nova Scotia Human Rights Act, the occurrence of a health condition that impairs essential performance required for the health profession;
4. unethical behaviour as specified by the code of ethics/standard of practice of the health profession.

The student's situation will be considered with discretion throughout the investigation of the allegation of unsuitability and these deliberations shall determine whether suspension, dismissal or neither is recommended. The principles of natural justice and due process will be observed in all investigations.

Any member of the University community can bring to the attention of the Director behaviors that are deemed unsuitable. These behaviors will be investigated and allegations heard.

Appeals will follow the appeal procedure for academic matters within the Faculty of Health Professions notwithstanding that the criteria are different. At the University level, appeals will require formation of an *ad hoc* Senate Committee.

Where the rules of a faculty, such as Health Professions, expressly provide that suitability, fitness, or aptitude for the practice of the profession is a requirement for advancement or graduation, or both, and a Faculty determines that a student should be suspended or dismissed or otherwise should not advance or graduate because of unsuitability for the relevant profession, an appeal from the Faculty decision may be made to an ad-hoc appeal committee established by the Senate Steering Committee. The Ad-hoc Appeal Committee shall:(1) hear an appeal by a student from the decision of a Faculty regarding suitability, fitness or aptitude for the practice of the relevant profession when: a) the student has exhausted the approved appeal regulations and procedures of the relevant Faculty; and b) the student alleges that there were irregularities or unfairness in the application of the regulations in question. The Ad-hoc Appeal Committee shall not hear appeals: a) by students on a matter involving a requested exemption from the application of Faculty or University regulations or procedures; b) on substantive aspects of a finding of unsuitability.

Acceptable Use of Information Technology Resources

A. Purpose

The purpose of this policy is to outline appropriate use of Information Technology Resources owned, leased, controlled and/or operated by the University.

B. Application

This policy applies to all individuals who have been granted a NetID and/or Banner account by the University.

This policy does not replace other policies, procedures or guidelines concerning the use of specific IT Resources or data management but rather sets out a minimum standard of acceptable use.

C. Definitions

In this Policy,

"User Account" means a NetID and/or Banner account issued by the University;

"Information Technology Resources", or "IT Resources", means computing equipment, peripherals, facilities, networks or systems owned, leased, controlled or operated by the University, including those purchased through research funds;

"User" means an individual who has been issued a User Account.

D. Policy

1. Accounts

- 1.1 Authorized access to IT Resources requires a User Account. User Accounts are non-transferable.
- 1.2 Users are responsible for any and all uses of their User Account and are expected to take reasonable steps to ensure the security of their User Account.

2. Acceptable Use

- 2.1 Users shall use IT Resources for authorized purposes only.
- 2.2 No User shall use IT Resources for any disruptive or unauthorized purpose, or in a manner that violates any law, University regulations, policies or procedures. Examples of unacceptable uses of IT Resources include, but are not limited to, the following:
 - 2.2.1 using another person's User Account, or misrepresenting themselves as another User;
 - 2.2.2 disclosing passwords or other access codes assigned to themselves or others;
 - 2.2.3 interfering with the normal operation of IT Resources by, among other things, unauthorized network interception, network traffic, flooding the network with messages, sending chain letters or pyramid solicitations;
 - 2.2.4 copying, removing or distributing proprietary software and/or data without authorization;
 - 2.2.5 breaching terms and conditions of software licensing agreements;
 - 2.2.6 accessing, displaying, transmitting, or otherwise making available information that is discriminatory, obscene, abusive, derogatory, harassing or otherwise objectionable in a university setting;
 - 2.2.7 destroying, misplacing, misfiling, or rendering inoperable any stored information on a University administered computer or other information storage, processing or retrieval system;
 - 2.2.8 unauthorized use of IT Resources for profit or commercial gain; and
 - 2.2.9 attempting to or circumventing security facilities on any system or network.

3. Consequences of Unacceptable Use

- 3.1 If there is reason to suspect that a User has violated this policy, the Assistant Vice-President, Information Technology Services or the Information Security Manager may temporarily revoke or restrict User Account access privileges of any User, pending further investigation by the Information Security Manager
- 3.2 To aid in the investigation of a suspected violation of this policy, the Information Security Manager may examine a User's User Account information, including, but not limited to, emails, files, and any other material or data connected with the User Account, provided that s/he obtains the Assistant Vice-President Information Technology Services' prior written approval. If the User in issue works within the Information Technology Services Department, then approval must be obtained from the President
- 3.3 If the investigation concludes that a violation of this policy has occurred, the Assistant Vice-President Information Technology Services may restrict, suspend or revoke the User's access to any or all of the University's IT Resources, and may
 - 3.3.1 in the case of students, initiate disciplinary proceedings under the Code of Student Conduct;
 - 3.3.2 in the case of employees, refer the matter for consideration of discipline in accordance with applicable collective agreements or human resource policies, as appropriate.

Academic Regulations

These regulations apply to all students in the College of Arts and Science and the faculties of Agriculture, Architecture and Planning, Computer Science, Engineering, Health Professions and Management. Students in the faculties of Architecture and Planning, Computer Science, Engineering and Health Professions should also consult the regulations specific to their, faculty, school or college found in the appropriate sections of this calendar.

PLEASE NOTE:

A student is governed by the academic regulations in place at the time of initial enrolment as long as the degree is completed within the time permitted (see Section 15- Duration of Undergraduate Studies), and that subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

It is the student's responsibility to maintain documentation of registration and subsequent changes. The Registrar's Office will rely solely upon computer records and will not maintain paper records of changes to a student's registration.

1. Definitions

For definitions of some commonly used terms, see Definitions section.

Within these regulations, reference to the Student Appeals Committee should be interpreted as the Student Affairs Committee in the Faculty of Arts and Social Sciences, as the Committee on Studies and Appeals in the Faculty of Science, the Undergraduate Committee on Studies in the Faculty of Health Professions, the Undergraduate Academic Appeals Committee in the Faculty of Management, the Academic Appeals Committee in the Faculty of Engineering, the Appeals Committee in the Faculty of Computer Science, the Appeals Committee in the Faculty of Agriculture and the dean's office in the Faculty of Architecture and Planning.

2. Course Selection

2.1 Numbering of Courses

Courses are numbered to indicate their general level. Those in the 1000 series are introductory degree level courses at Dalhousie. Courses in the 2000, 3000, 4000 series are usually first available to degree level students in the second, third and fourth year respectively. Often these courses have prerequisites. Some departments, schools, colleges have minimum grade requirements for entry into courses above the 1000 level. Such requirements are listed in the calendar entries for the departments, schools, colleges concerned.

Courses listed in the 0100 series are introductory technology level courses at Dalhousie. Courses in the 0200 series offer more detailed exploration of a discipline at the Technology level. 0200 level courses usually have prerequisites or require background knowledge.

Courses listed in the 0001-0099 series are university preparatory courses.

An example of a course identifier is as follows: CHEM 1011

CHEM	subject code
1011	course number & level

Courses with numbers below 0100 normally do not carry credit.

2.2 Academic Advice

At Dalhousie, academic advice is available to all students prior to registration. To find out who your advisor is, see the advising website (<http://www.dal.ca/advising>) and click on "Where to go for advising."

Academic advisors at Dalhousie strive to enable students to make a successful transition to university, to take responsibility for learning, how to set academic, career and personal goals as well as to develop strategies for achieving them.

Specifically, academic advisors at Dalhousie help students:

- assess and clarify their interests, academic abilities and life goals;
- develop suitable educational plans consistent with their goals;
- select appropriate courses and complementary educational experiences;
- interpret institutional rules and requirements;
- develop decision-making skills;
- resolve academic problems, conflicts and concerns;
- evaluate their progress towards their goals;
- by referring them as necessary to other resources.

3. Workload

3.1 Regular Year

3.1.1 College of Arts and Science

Thirty credit hours per academic year shall be regarded as constituting a normal workload for a student. Students wishing to increase their workload to 18 credit hours in any term and have a sessional GPA greater than 3.00 need to contact the Registrar's Office. Students with a GPA less than 3.00 will need to contact the appropriate Assistant Dean to request permission.

3.1.2 Rowe School of Business

Thirty credit hours per academic year shall be regarded as constituting a normal workload for a student. However, winter term of third year and first term of fourth year require BComm Co-op students to take 18 credit hours. For this reason, BComm Co-op students must apply to exceed the normal workload policy (see below).

During the work term, the work assignment shall constitute the normal workload.

Note that the second and third summers are regular academic and workterms for co-op students.

Students wishing to increase their workload to 18 credit hours in any term and have a sessional GPA greater than 3.00 need to contact the Registrar's Office. Students with a GPA less than 3.00 will need to contact the Undergraduate Advising Office, Suite 2086, Rowe Building. Such permission will not normally be granted for more than three credit hours per term, nor to any student who is in his/her first year of study or who, in the preceding academic term, earned a term GPA of less than 3.00 on a full load of courses. Students are not permitted to take more than six courses in any single academic term.

3.1.3 Faculty of Agriculture

A normal full-time course load for students registered in degree programs in Agriculture is considered to be five courses per semester. A normal full-time course load for students registered in the technology programs is five to six courses per semester, depending on the program. Students wishing to increase their workload to six courses per semester (degree) or seven courses per semester (technology) with a sessional GPA greater than 3.00 should contact the Registrar's Office. Students with a GPA less than 3.00 will need the permission of the faculty advisor and the Assistant Dean - Students.

3.1.4 Faculties of Architecture and Planning, Computer Science, Engineering, Health Professions and Bachelor of Management

For normal workloads, see the individual school or college section of the calendar. Written permission from the school or college Committee on Studies or the Program Administrator for Bachelor of Management is required if the normal workload is to be exceeded. Applications from students who give good reasons for wishing to take an overload will be considered. Such permission will not normally be granted to any student in the first year of study, or to any student who, in the preceding academic term, obtained a grade point average of less than 3.00.

3.2 Summer Session

It is recommended that students take only six credit hours in each of the May - June or July - August parts of term. Students who want to exceed the recommended number of credit hours should speak to an academic advisor in their faculty, school or department.

4. Registration

1. It is a student's responsibility to register. Registration instructions are available on the web at www.dal.ca/advising. Registration for courses is completed using [Dal online](#). The timetable of courses for 2015-2016 and registration dates are available in March - June.
2. A student is considered registered after selection of courses. Selection of courses is deemed to be an agreement by the student for the payment of all assessed fees.
3. All students are required to obtain ID card or validate an existing ID card at the DalCard Office.
4. Space in class. Enrolment is limited in all courses, and admission does not guarantee that space will be available in any course or section. However, no student in a graduating year may be excluded from a course required by that student to meet degree program requirements because of lack of space. This rule does not apply to elective courses or to preferred sections of courses. Any student in a graduating year who encounters such a situation should immediately consult the department chair, school director or dean.
5. Students may be removed from courses for which they do not have prerequisites. Prerequisite waivers can be granted only by the instructor and must be submitted in writing, with the instructor's signature, to the Registrar's Office.

ID cards are mandatory and must be presented to write an officially scheduled examination. In addition, some services such as the issuance of bursary or scholarship cheques, library privileges, Dalplex and Langille Athletic Centre require the presentation of a valid Dalhousie ID card.

5. Course Changes and Withdrawal

5.1 Course Changes

It is recognized that some students may wish to make changes in programs already arranged. Course changes will normally be completed during the first two weeks of courses. (For Summer term information, see the Summer School Schedule.) The last dates for adding and deleting courses are published in the schedule of Academic Course Add/Drop Dates of this calendar. Course changes should be made on the Web at www.dal.ca/online

Please note that dropping or changing courses may affect your eligibility for student aid.

5.2 Withdrawal

Non-attendance does not, in itself, constitute withdrawal. Withdrawals are effective when a student withdraws from courses on the Web at <http://www.dal.ca/online> or written notification is received at the Registrar's Office.

In the Faculty of Health Professions students who wish to withdraw from the university must obtain written approval from the appropriate school or college and submit the appropriate forms to the Registrar. Students should not discontinue attendance at any course until their withdrawal has been approved.

Students withdrawing voluntarily from the University should consult the individual faculty regulations and the Fees section of this Calendar.

When the work of a student becomes unsatisfactory, or a student's attendance is irregular without sufficient reason, the faculty concerned may require withdrawal from one or more courses, or withdrawal from the Faculty. If a student is required to withdraw from a Faculty such a student may apply to another Faculty. However, in assessing the application, previous performance will be taken into consideration.

6. Counting of Credits for Two Dalhousie Programs

6.1 Undergraduate Degrees

Students who hold one undergraduate degree from Dalhousie and who wish to gain a second undergraduate degree must fulfill the requirements of the second degree and meet the following stipulations:

1. Only credit hours that are applicable to the program for the second degree may be counted for credit.
2. Each credit hour carried forward must have a grade of C or higher.

6.1.1 College of Arts and Science

For the honours degree, a minimum of 10 new full credits are to be taken, in accordance with “Degree Requirements” listed elsewhere in this calendar.

For the major (120 credit hour) BA degree, a minimum of 60 new credit hours, or the equivalent, must be taken. At least 36 of these are to be beyond the 1000 level in a new major subject, and at least 18 of the 36 must be beyond the 2000 level.

For the major (120 credit hour) BSc degree, a minimum of 60 new credit hours, or the equivalent, must be taken. At least 42 of these are to be beyond the 1000 level in a new major subject, and at least 24 of the 42 must be beyond the 2000 level.

For the 90 credit hour degree, a minimum of 45 new credit hours must be taken. At least 24 of these are to be beyond the 1000 level in a new area of concentration, and at least 12 of the 24 must be beyond the 2000 level. Normally, 12 credits will be in a subject other than the minor.

Students may obtain a second BSc by completing the above requirements. More than one BA is not awarded.

6.1.2 Management

For the BComm co-op degree a minimum of 60 new credit hours (plus three work terms) must be taken, of which at least 48 must be in the core area and include the three work term credits.

For the BMgmt degree (120 credit hour), a minimum of 60 new credit hours must be taken, and all core requirements met.

6.1.3 Health Professions

For degrees in the Faculty of Health Professions no more than half the credit hours required for an undergraduate degree may be carried forward from an earlier degree.

6.1.4 Architecture and Planning

For the BEDS degree, a minimum of one third of the credit hours required in the third and fourth years must be taken while registered in the BEDS program.

6.1.5 Computer Science and Engineering

For the BCSc, BINF, and BEng degrees, a minimum of 60 new credit hours must be taken.

6.1.6 Transfer Credits from Dental Hygiene

Students who have completed the Diploma in Dental Hygiene at Dalhousie University may receive 30 credit hours towards a BA or BSc.

6.1.7 Agriculture

For the BSc (Agr) a minimum of 60 new credit hours must be taken.

6.2 Counting of Credit for two Dalhousie Diplomas in Technology Programs

Students who hold one technology diploma from Dalhousie and who wish to gain a second technology diploma must fulfill the requirements of the second diploma and meet the following stipulations:

- a. Only credits that are applicable to the program for the second diploma may be counted for credit.
- b. Each credit carried forward must have a grade of C or higher.
- c. At least half of the credits in the second diploma must be new credits.

6.3 Counting of Credit from Diploma in Technology to Undergraduate Programs

Students who have completed technology level courses may be eligible to receive degree level credit for such courses, to a maximum of 60 credit hours, evaluated on a course by course basis with a minimum grade of “C”. Students who successfully complete a Technical Diploma program in the Faculty of Agriculture and apply to the Bachelor of Science (Agriculture) program will receive a minimum of 30 credit hours toward the degree.

6.4 Counting of Credit from Continuing Education Courses toward Diploma in Technology Programs

Special permission to complete a limited number of select continuing education courses in the Faculty of Agriculture may be granted to students enrolled in technology diploma programs. These courses must be approved in advance by the Dean or designate. Any student who wishes to explore this option should contact their academic advisor.

7. Transfer Students

7.1 Transfer Credits - All Faculties

At Dalhousie transfer credits may be granted for courses which are offered by a recognized university or equivalent institution of higher learning and which are judged to be comparable to courses offered at Dalhousie and to be appropriate to a student’s academic program at Dalhousie. Transfer credit will be granted for any course in which a final mark of C or higher was obtained.

Transfer credits are subject to the approval of the appropriate department/school/college. For courses not within the purview of a Dalhousie department/school/college, the Registrar’s Office will assess transfer credits. Students may appeal, in writing, a negative decision and should justify the inclusion of such courses in the student’s proposed program. Copies of calendar descriptions are necessary. Such descriptions are not normally included with university transcripts, and it is the student’s responsibility to provide them.

Bachelor of Commerce and Bachelor of Management require course syllabi that includes the length of the course, topics covered, evaluation, textbook used, and required reading.

College of Arts and Science and Faculty of Management courses that are more than 10 years old may not be used to fulfill degree requirements unless a waiver is granted. See Regulation 15 for information on other faculties.

Transfer credits may be counted towards fulfilment of the concentration, major or honours or Commerce/Management core area requirement of a bachelor’s degree with specific advance approval from the appropriate department/school/college at Dalhousie.

To obtain a first degree or diploma, at least half of the credits, including at least half in the field of concentration or major or minor, must normally be taken at Dalhousie.

For the BComm Co-op degree, a minimum of 60 credit hours (plus three workterms) must be taken, of which at least 48 must be in the core area and include the three workterm credits.

For the BMgmt degree, a maximum of 60 credit hours may be counted towards the program.

In the Faculty of Health Professions to obtain a first degree, all or most of the advanced work of the program (i.e., at least half the credits taken in the second and subsequent years of study) must be taken at Dalhousie.

Note: Transfer credits will not be awarded for work completed while a student was academically ineligible.

7.2 Architecture and Planning

For the BEDS degree, at least one third of the credits required in the third and fourth years must be taken while registered in the BEDS program at Dalhousie. Courses taken to qualify for admission are not converted to transfer credits unless they are equivalent to BEDS courses. For the Bachelor of Community Design, at least half of the credits must be taken at Dalhousie, including half in the major field.

7.3 Computer Science

For the BEDS degree, at least one third of the credits required in the third and fourth years must be taken while registered in the BEDS program at Dalhousie. Courses taken to qualify for admission are not converted to transfer credits unless they are equivalent to BEDS courses. For the Bachelor of Community Design, at least half of the credits must be taken at Dalhousie, including half in the major field.

7.4 Engineering

For the BEng degree, at least half of the credits, including the final two study terms with a full course load, must be taken at Dalhousie. For the Bachelor of Applied Science, at least half of the credits for the degree must be taken at Dalhousie, including half in the major field.

7.5 Procedures

As soon as the student's record has been assessed the Registrar's Office will inform the student which transfer credits have been awarded. The number of credits which have been approved, and which Dalhousie courses may not be taken, will be included in the letter. If more credits have been approved than can be applied to the student's program, the Registrar's Office will decide the appropriate transfer credits. Transfer credits awarded on admission appear on a Dalhousie transcript as credits only; no marks are shown.

If by registration time the student has not received written confirmation of transfer credits, the student should check with the Registrar's Office. Information, although incomplete, may be available and may be helpful in choosing Dalhousie courses.

Before selecting courses the student should consult with the appropriate department/school/college to determine how the transfer credits will fit into the student's specific academic program at Dalhousie.

7.6 Courses Taken at Other Universities on Letter of Permission

A student who wishes to take courses at other institutions while registered at Dalhousie must obtain approval in advance on a form available online at <http://www.dal.ca/lop>. A Letter of Permission will be provided if all the following conditions are met:

- the student is in good academic standing, i.e., students who have been academically dismissed or are on probation are not eligible
- the student has not exceeded the allowable number of transfer credits
- the course at the other institution is acceptable for transfer to Dalhousie
- the workload will not exceed Dalhousie's limitations
- the course is not offered at Dalhousie in the term in which the student wishes to take it; or the student has a scheduling conflict; or the course is full; or the student is living outside the local area.

The departments of French, German, Russian Studies, and Spanish and Latin American Studies have special arrangements whereby up to 30 credit hours taken at other universities may be considered as part of a student's program at Dalhousie (see Regulation 13).

No credit will be given for any courses taken at another university while a student is not in good standing at Dalhousie. See Definitions section of this calendar for the definition of "good standing".

8. Advanced Standing

Students possessing advanced knowledge of a subject will be encouraged to begin their studies in that subject at a level appropriate to their knowledge, as determined by the department/school/college concerned. However, such students must complete, at Dalhousie, the full number of credit hours required for the particular credential being sought.

9. Part-Time Students

Part-time students are reminded of the university policy that limits programs of study to 10 years from the date of initial registration in the College of Arts and Science, Faculty of Agriculture and the Faculty of Management. See Regulation 15 for details on duration of study. Note also, Regulation 7 above concerning the number of credit hours that must be completed at Dalhousie.

9.1 College of Arts and Science

Part-time students are admitted to most of the programs offered in the College of Arts and Science. Admission requirements and regulations are the same for all students.

9.2 Faculty of Management

The Faculty of Management is committed to providing students the opportunity to obtain a degree/diploma through full-time study and part-time study where the latter is feasible.

9.3 Faculty of Health Professions

Because of the restriction on the duration of undergraduate studies (see Regulation 15), the opportunity for part-time study is limited in the majority of programs.

The exceptions are the undergraduate programs in the School of Health and Human Performance, and the School of Social Work.

9.4 Faculty of Architecture and Planning

Part-time study is not available in the Bachelor of Environmental Design Studies (BEDS) program. Part-time study is available in the Bachelor of Community Design (BCD) program

9.5 Faculty of Engineering

Because of the restriction on the duration of undergraduate studies, (see Regulation 15), the opportunity for part-time study is limited.

9.6 Faculty of Computer Science

Part-time students may be admitted to the Bachelor of Computer Science and Bachelor of Informatics program.

10. Audit of Courses

Students who have been admitted to a faculty may audit many of the courses offered with the permission of the instructor. Registration for an audit is available from the first day of courses until the last day to add a course. Students auditing courses will not be eligible to write examinations in the audited course and will not in any circumstance be granted credit for it. Fees are payable as indicated under Fees. A course may not be changed from credit to audit or from audit to credit status after the last date for dropping courses without 'W' (see the schedule of Academic Course Add/Drop Dates).

11. Experimental Courses—College of Arts and Science

Experimental courses, on any subject or combination of subjects to which arts or sciences are relevant, and differing in conception from any of the courses regularly listed in departmental offerings, may be formed on the initiative of students or faculty members.

If formed on the initiative of students, the students concerned shall seek out faculty members to take part in the courses.

Whether formed on the initiative of students or on the initiative of faculty members, the faculty members who wish to take part must obtain the consent of their department.

The course may be offered over the regular session or for one term only.

A course shall be considered to be formed when at least one faculty member and at least eight students have committed themselves to taking part in it for its full length.

Courses may be formed any time before the end of the second week of courses in the fall term to run the regular session or fall term, or any time before the end of the

second week of courses in the winter term. If they are formed long enough in advance to be announced in the calendar, they shall be so announced, in a section describing the Experimental Program; if they are formed later, they shall be announced (a) in the *Dalhousie Gazette*, (b) in the *Dal News*, (c) on a central bulletin board set aside for this purpose.

One faculty member taking part in each experimental course shall be designated the rapporteur of the course with responsibility for (a) advising the curriculum committee of the formation and content of the course; (b) obtaining from the curriculum committee a ruling as to what requirement or requirements of distribution, concentration, and credit the course may be accepted as satisfying; (c) reporting to the Registrar on the performance of students in the course; (d) reporting to the curriculum committee, after the course has finished its work, on the subjects treated, the techniques of instruction, and the success of the course as an experiment in pedagogy (judged so far as possible on the basis of objective comparisons with more familiar types of courses).

Students may have 30 credit hours of experimental courses (or some equivalent combination of these with half-credit courses) counted as satisfying course for course any of the requirements for the degree, subject to the rulings of the relevant curriculum committee (above) and to the approval of the departments.

12. Summer School

12.1 Summer Session

Dalhousie currently offers a Summer session of approximately 16 weeks, May - August. See Regulation 3.2 for permitted work-load.

13. International Exchange and Study Abroad Programs

A number of programs enable Dalhousie University students to pursue part of their studies in another country and culture. For details regarding courses taken at other universities, see Regulation 7.6.

University-wide programs allow students from a variety of academic departments to take part in a study abroad or exchange program. These are coordinated by the Study Abroad and Exchange Advisor in International Centre, located in the Killam Library, main floor. Department-specific programs are coordinated by an individual within the department/faculty. Additional information is available at: <http://www.dal.ca/exchange>.

It is important to note that there are application deadlines for these programs; plan to apply up to a year prior to departure.

14. Preparation for Other Programs

Work in the College of Arts and Science is a prerequisite for various programs in other faculties and other institutions. A brief summary of the academic work required for admission to certain programs is given here. Further information may be found later in this calendar, or in the Faculty of Graduate Studies calendar or the Dentistry, Law and Medicine calendar.

Graduate Studies: The normal requirement for admission to a graduate program is an honours degree or the equivalent.

Students who are registered in an honours program may, with permission from their honours supervisor and the course instructor, be eligible to complete up to six credit hours of study at the graduate level. These credits could be used in place of undergraduate degree requirements toward completion of the undergraduate degree. With permission of the program's graduate coordinator and the Faculty of Graduate Studies, such credits may also be applied to a subsequent Master's degree in some programs. Please consult the Graduate Calendar, section 3.7 Advanced Placement, for details. Students registering in any graduate level course, regardless of their level of study, will be graded in accordance with the graduate grading scale and must obtain a grade of B- or higher in order to receive credit. For courses that are cross-listed between the undergraduate and graduate level, students who register in the graduate level course may switch to the corresponding undergraduate course by the dates specified in the Academic Dates listed at the front of the Calendar.

Architecture: Two years of university study are required for entry to the BEDS program in architecture. For details, see the Architecture section.

Dental Hygiene: Completion of 30 credit hours at the university level of one regular session's duration in the following: biology, psychology, sociology, a writing course, a one term course in introductory statistics and a one term course in introductory chemistry. For details, see the Dentistry, Law and Medicine calendar.

Dentistry: See the Dentistry, Law and Medicine calendar.

Design: Students completing one year in the College of Arts and Science at Dalhousie may be admitted into the second year of the four year program leading to the Bachelor of Design degree in communication design at the NSCAD University.

Law: At least two years of work leading to one of the degrees of BA, BSc, BComm, BMgmt. For details, please see the Dentistry, Law and Medicine calendar.

Medicine: A BA, BSc, BComm, or BMgmt degree. For details, see the Dentistry, Law and Medicine calendar.

Veterinary Medicine: The equivalent of 20 one-term courses (two years of university study) are required for admission to the Atlantic Veterinary College of the University of Prince Edward Island. Credits must include two mathematics courses, including statistics; four biology courses, including genetics and microbiology; three chemistry courses including organic chemistry; one physics course; two English courses, including one with an emphasis on writing; three humanities and social sciences courses; five electives from any discipline.

15. Duration of Undergraduate Studies

15.1 College of Arts and Science/Faculty of Management

Students are normally required to complete their undergraduate studies within 10 years of their first registration, and to comply with the academic regulations in force at the time of that registration. This is also the normal limit for transfer credits. However, the student appeals committee of the appropriate Faculty or School may grant permission to continue studies for a reasonable further period, subject to such conditions as the committee deems appropriate and with the stipulation that the student must meet the degree requirements in force when the extension is granted.

15.2 Faculty of Health Professions

With the exception of the undergraduate programs in the School of Health and Human Performance and the School of Social Work to which Regulation 15.1 applies, students in the Faculty of Health Professions are normally required to complete their undergraduate studies within six years of first registration in professional courses.

15.3 Faculty of Architecture and Planning

Students in the BEDS program are normally required to complete their degree within four years. Students in the Bachelor of Community Design program must complete their degree within 10 years.

15.4 Faculty of Computer Science

Students in the BCS degree program are normally required to complete their degree within eight years.

15.5 Faculty of Engineering

15.5.1 Diploma of Engineering

Students registered in the Diploma of Engineering program are normally required to complete their requirements in a period of time not exceeding four consecutive calendar years from their first date of registration.

15.5.2 Bachelor of Engineering (Upper Division)

Students registered in the upper division component of the BEng program are normally required to complete their degree, including any coop education requirements, in a period of time not exceeding five consecutive calendar years from their first date of registration in Term 5.

15.5.3 Food Science

Students in the BASc degree program in Food Science are normally required to complete their degree within eight years of their first registration in the program.

15.6 Faculty of Agriculture

Students in the Bachelor of Science (Agriculture) are normally required to complete their undergraduate studies within 10 years of their first registration. Students in the Bachelor of Technology and the Diploma in Technology are normally required to complete their studies within six years of their first registration. Students in the Diploma in Engineering are normally required to complete their studies within four years.

This is also the normal limit for transfer credits. However, the student appeals committee may grant permission to continue studies for a reasonable further period, subject to such conditions as the committee deems appropriate and with the stipulation that the student must meet the degree requirements in force when the extension is granted.

16. Assessment

16.1 Method

Examinations may be oral, written (closed or open book) under supervision, or take-home.

Students will be provided with a course outline by the instructor at the first meeting of the course. In order to complete a course satisfactorily, a student must fulfill all the requirements as set down in the course outline. Changes to the outline which affect assessment components, the weight of individual assessment components, or examination requirements with a value of 10 percent or more must have the approval of at least two-thirds of enrolled students in order to be valid.

When collaboration is included as part of course expectations as in group projects or group assignments, the instructor will provide in the course outline, a statement of the degree of collaboration permitted in the preparation and submission of assignments.

Within four weeks after the beginning of each term, course outlines will be placed on file with the appropriate faculty/school/college.

Students should be aware that certain courses at the University involve required laboratory work where potentially hazardous materials are in use. These may include animals, other biological materials which may include crops and products, tissues, fluids, wastes, but also microorganisms and toxins as well as a wide variety of chemicals. Examples of physical hazards may include noise, radioactive isotopes and non-ionizing radiation (e.g. lasers). Since there are potential health risks associated with the improper handling of such materials resulting in exposure, Dalhousie University requires that, as a condition of taking a course where such materials are to be used, students must read and agree to comply with the instructions for safe handling of such materials. In the event that students do not comply with the instructions for the safe handling of such materials, students will receive no credit for the required laboratory work unless other acceptable alternatives are arranged with the instructor. In many cases, alternate arrangements are not possible and students should consider enrolling in a different course.

16.1.1 Academic Accommodation for Students with Learning Disabilities

See Accommodation Policy.

16.2 Examinations and Tests

Tests are normally scheduled during course time. Tests scheduled outside course time should not conflict with the regularly scheduled courses. Dates and times must be included in the course syllabus.

Periods of approximately three weeks in the spring and one and one-half weeks in December are set aside for the scheduling of formal written examinations by the Registrar. Instructors wishing to have examinations scheduled by the Registrar for their courses must so inform the Registrar at the beginning of the first week of courses in the fall and winter terms. Instructors may also arrange their own examinations at times and places of their choosing during the formal examination periods, with the understanding that in cases of conflict of examinations for an individual student, the Registrar's examination schedule takes priority.

16.2.1 College of Arts and Sciences, Faculties of Agriculture, Architecture and Planning, Computer Science, Engineering, Health Professions and Management

No written tests or examinations, with the exception of project presentations and major papers, worth more than 25% of the final grade, may be held in the last two weeks of a term, without the explicit approval of the appropriate faculty, school or college. No tests may be held between the end of courses and the beginning of the official examination period with the exception of those activity modules and laboratory courses in the Faculty of Health Professions in which special facilities are required.

Students may contact the dean's/director's office of the appropriate faculty/school/college for assistance if they are scheduled for more than two examinations on the same day.

16.3 Submission of Grades

On completion of a course, the instructor is required to submit grades to the Registrar. Grades are due seven calendar days after an exam scheduled by the Registrar or 14 days after the last class where there is no final exam scheduled by the Registrar. Such grades are to be based on the instructor's evaluation of the academic performance of the students in the course in question.

16.4 Incomplete

Students are expected to complete course work by the prescribed deadlines. Only in special circumstances (e.g., the death of a close relative) may an instructor extend such deadlines. Incomplete work in a course must be completed by:

Fall term courses..... Feb 1
Winter and regular session (September - April) courses..... Jun 1
May - June courses..... Aug 1
May - August courses..... Oct 1
July - August courses.....Oct 1

Exceptions to this rule will normally be extended only to courses which require field work during the summer months. At present the list of these courses consists of:

- ENVS 3000, ENVS 3001, ENVS 4901, ENVS 4902;
- HPRO 4495;
- LEIS 4597;
- NURS 2220, NURS 3290 AND NURS 4240;
- PHAR 3000;
- SUST 3002, SUST 3950
- Management Internship
- Courses in the Bachelor of Agriculture - International Food Business

Students taking any of these courses in their final year should note that they will not be able to graduate at the spring convocation.

The Registrar's Office is not permitted to accept a late clearance of INC or late grade changes other than those due to errors. If there are exceptional circumstances, a recommendation should be forwarded to the undergraduate coordinator or the Committee on Studies of the appropriate faculty/school. Unless INC is changed it counts in the GPA and has a grade point value of 0.00 - it is a failing grade.

16.5 Supplementals

Faculties of Engineering and Health Professions

In courses where supplementals are available, a student must have achieved a grade of "FM" in the course in which the supplemental is to be written.

On re-examination the grade awarded for the course will be recorded on the student's transcript along with a notation that the grade was earned by supplemental examination. In the Faculty of Health Professions, the highest grade that can be awarded is "C" for professional courses and "D" for other courses. Only the supplemental grade will be included in the grade point average. Supplemental exams will be administered by the participating faculty/school/ college. Students should check directly with their faculty/school/ college for detailed information on the awarding of FM grades and eligibility for supplemental examinations.

Rowe School of Business

Students who receive a final grade of Marginal Failure (FM) in a core Bachelor of Commerce course may have the opportunity to write a supplemental exam. The following terms and conditions apply:

1. The course must offer a final examination as part of the normal evaluation process.
2. The final grade received for the course must be FM.
3. The supplemental exam will be written within four calendar weeks following the original final exam at a time scheduled by the Undergraduate Advising Office.
4. The supplemental exam grade replaces only the original final exam grade in the calculation of the overall mark. The highest grade that can be awarded is "D", with a notation that the grade was earned by supplemental examination.
5. There is a \$25 non-refundable fee per exam.
6. Students are permitted to write only one supplementary exam at the 2000 level, one at the 3000 level and one at the 4000 level over the duration of their program. First year (1000 level) courses are not eligible for supplemental exams.

If you have questions about supplementary exams, please contact the Undergraduate Academic Advising Office (uao@dal.ca).

16.6 Correction of Errors in Recorded Grades

Students must request correction in the calculation or recording of final grades by:

Fall term courses.....	Feb 1
Winter and regular session (September - April) courses.....	Jun 1
May - June courses.....	Aug 1
May - August courses.....	Oct 1
July - August courses.....	Oct 1

16.7 Reassessment of a Final Grade

Students who have questions about final grades that are assigned are encouraged to discuss them with the course instructor. In addition, students may consult the chair of the department, director of the school/college, dean of the faculty, an academic advisor or a student advocate. If their concerns cannot be resolved, students may also use the formal process that follows for the re-assessment of final grades, except when such grades are the result of an academic discipline penalty.

Once a final course grade has been submitted to the Registrar, a student who wishes to have a final grade re-assessed should make a written request to the Registrar and pay the requisite fee of \$50 per course. The request must identify the specific component which the student wishes re-assessed and the grounds for the request. Such requests must be made by:

Fall term courses	March 1
Winter and regular session (September - April) courses	July 1
May - June courses	September 1
May - August courses	November 1
July - August courses	November 1

Note: Students should be aware that they may not be able to continue in their course of study if they fail a pre-requisite course. To prevent delays in progressing if a student is successful in their appeal, students are encouraged to submit appeals for grade reassessment as soon as possible.

When such a request is received, the Registrar will forward it to the dean of the faculty or director of the school/college offering the course. The re-assessment will be conducted according to procedures developed for the purpose by the faculty/school/college. These should reflect the nature of the academic disciplines and assessment involved, and should provide for a review of the assessment by a qualified person or persons not responsible for the original evaluation.

The student will be notified, by the Registrar's Office, of the outcome of the re-assessment. If the re-assessment results in the assignment of a grade that is different (higher or lower) from the original one, the new grade will replace the original one and the \$50 will be refunded.

Students who wish information about grade re-assessment procedures should contact their faculty/school/college office.

16.8 Special Arrangements for Examinations, Tests and Assignments

At the discretion of the instructor, alternate arrangements for examinations, tests or the completion of assignments may be made for students who are ill, or in other exceptional circumstances.

Where illness is involved, a certificate from the student's physician will be required. This certificate should indicate the dates and duration of the illness, when possible should describe the impact it had on the student's ability to fulfill academic requirements, and should include any other information the physician considers relevant and appropriate. To obtain a medical certificate, students who miss examinations, tests or the completion of other assignments should contact the University Health Services or their physician at the time they are ill and should submit a medical certificate to their instructor as soon thereafter as possible. Such certificates will not normally be accepted after a lapse of more than one week from the examination or assignment completion date.

For exceptional circumstances other than illness, appropriate documentation, depending on the situation, will be required.

Requests for alternate arrangements should be made to the instructor in all cases. The deadline for changing a grade of ILL is:

Fall term courses.....	Feb 1
Winter and regular session (September - April) courses.....	Jun 1
May - June courses.....	Aug 1
May - August courses.....	Oct 1
July - August courses.....	Oct 1

Requests to change grades after these deadlines must be submitted in writing to the appeals committee of the appropriate school, college or faculty.

NOTE: Any student whose request for special arrangements has been denied and wishes to appeal, should refer to Appeals.

17. Academic Standing

Students' academic standing is normally assessed at the end of each term.

17.1 Grade Scale and Definitions

Grade	Grade Point Value	Definition
A+	4.30	90-100 Excellent
A	4.00	85-89
A-	3.70	80-84
B+	3.30	77-79 Good
B	3.00	73-76
B-	2.70	70-72
C+	2.30	65-69 Satisfactory
C	2.00	60-64
C-	1.70	55-59
D	1.00	50-54 Marginal Pass
FM	0.00	Marginal Failure
F	0.00	0-49 Inadequate
INC	0.00	Incomplete
W	Neutral and no credit obtained	Withdrew after deadline
ILL	Neutral and no credit obtained	Compassionate reasons, illness
P	Neutral	Pass
TR	Neutral	Transfer credit on admission
Pending	Neutral	Grade not reported

17.1.1 Grade Point Average (GPA)

The Grade Point Average is calculated by summing the values obtained by multiplying the grade points obtained in each course in accordance with the scale in 17.1, by the number of credit hours of each course then dividing that sum by the total credit hours attempted. A Term GPA includes only those courses attempted in a single term and the Cumulative GPA includes all courses attempted while registered in a level of study (see Definitions). If a course has been repeated, only the highest grade awarded is included.

17.2 Grade Points on Admission

Transfer credits on admission count as credits without grade points, i.e., they are neutral in the calculation of the GPA.

17.3 Grade Points on Letter of Permission

Courses taken on a Letter of Permission at a Canadian university, where a letter grade system is used, the appropriate Dalhousie letter grade and corresponding grade points will be assigned. For institutions not using letter grades, the grade will be translated into a Dalhousie grade and corresponding grade points assigned. For institutions outside of Canada, a grade of P (pass) or F (fail), as appropriate, will be recorded.

17.4 Repeating Courses for which a Passing Grade has been Awarded

With the permission of the department/school/college concerned, a student may repeat any course for which a passing grade has previously been awarded. The original passing grade will nevertheless remain on the transcript and a second entry will be recorded with the new grade and the notation "repeated course". No additional credit will be given for such a repeated course, and only the highest grade will be included in the calculation of the GPA.

18. Good Standing

Students who meet the required GPA are considered to be in good academic standing. In the Faculties of Agriculture, Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, and Science a cumulative GPA of 2.00 is required.

19. Probation

19.1 Faculties of Agriculture, Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering (Lower Division, Years 1 and 2 and Bachelor of Applied Science), Health Professions, Management and Science

19.1.1

Students with a cumulative GPA of less than 2.00 and greater than or equal to 1.70 who have completed at least 24 credit hours at the undergraduate level or 16 credit hours at the technology level will be placed on academic probation.

19.1.2

Students on probation are allowed to continue to register on probation provided their term GPA is at least 2.00. Students will be returned to "good standing" when they achieve a cumulative GPA of 2.00. Students on probation who do not achieve a term GPA of 2.00 will be academically dismissed.

19.1.3

Students require a cumulative GPA of 2.00 to graduate. Therefore, no one will be allowed to graduate while on probation.

19.2 Faculty of Engineering (Upper Division, Years 3 and 4)

19.2.1

Students in the Bachelor of Engineering (Upper Division) with a cumulative GPA of less than 2.00 and greater than or equal to 1.70 who have completed at least two full credits will be placed on academic probation.

19.2.2

Students on probation may continue to register on probation provided their term GPA is at least 2.00. Students will be returned to "good standing" when they achieve a cumulative GPA of 2.00. Students on probation who do not achieve a term GPA of 2.00 will be academically dismissed.

19.2.3

Students require a cumulative GPA of 2.00 to graduate. Therefore, no one will be allowed to graduate while on probation.

20. Academic Dismissal

20.1 Academic Dismissal - Faculties of Agriculture, Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering (Lower Division, Years 1 and 2 and Bachelor of Applied Science), Health Professions, Management and Science

20.1.1

Students with a cumulative GPA of less than 1.70 who have completed at least 24 credit hours at the undergraduate level or 16 credit hours at the technology level will be academically dismissed for a 12 month period.

NOTES:

Faculty of Architecture and Planning students who have been academically dismissed may apply for readmission. Bachelor of Environmental Design Studies students applying for readmission to the School of Architecture are required to submit a portfolio and further evidence of academic abilities that will be evaluated with the current BEDS admissions. Readmission is not guaranteed. In evaluating applications for readmission to the Bachelor of Community Design program, the School of Planning will consider evidence regarding the preparedness of the student to succeed academically after resuming studies. Students who have been dismissed twice from either program will not be readmitted.

BSW students who fail SLWK 4033 or who fail a repeated course, will be dismissed.

BHSC student who fail a required course for a second time will be dismissed.

DDM students who fail the same course twice will be dismissed.

BEng and DipEng students who fail the same course more than once will be dismissed.

20.1.2

Students on probation who do not achieve a term GPA of 2.00 or greater will be academically dismissed for a 12 month period.

20.1.3

Students who have been academically dismissed will not be allowed to apply for re-admission for at least 12 months.

20.1.4

Students who have been academically dismissed for the first time and have subsequently been re-admitted after an absence of a 12 month period may re-register on probation.

20.1.5

Faculty of Arts and Social Science students who have been academically dismissed for the second time will not normally be allowed to apply for re-admission for at least three calendar years. Students may, however, petition the Student Affairs Committee for re-admission after two years provided they have met with the Assistant Dean.

20.1.6

Faculty of Health Professions students who have been academically dismissed twice will not be allowed to apply for re-admission.

20.1.7

Faculty of Engineering students who have been academically dismissed for a second time will not be readmitted to any engineering program at Dalhousie.

20.1.8

Faculty of Computer Science students who have been dismissed and who have been required to withdraw from the university for one term or more may be readmitted to a program in the Faculty of Computer Science only once.

20.1.9

Faculty of Science students who have been required to withdraw for a second time must meet with the Assistant Dean (Student Affairs) who may recommend that they reapply for re-admission after two calendar years or who may refer the matter to the Faculty Committee on Studies and Appeals.

20.1.10

Faculty of Management Students who have been academically dismissed for the second time will not normally be allowed to apply for re-admission for at least three calendar years. Students may, however, petition the Program Director for re-admission after two years.

20.1.11

Faculty of Agriculture students who have been academically dismissed for the second time will not normally be allowed to apply for re-admission for at least three calendar years. Students who have been dismissed for either the first or second time may appeal this decision (see section 24 of the academic calendar).

20.2 Faculty of Engineering (Upper Division, Years 3 and 4)

20.2.1

Students with a cumulative GPA of less than 1.70 who have completed at least 12 credit hours will be academically dismissed for an eight month period.

20.2.2

Students on probation who do not achieve a term GPA of 2.00 or greater will be academically dismissed for an eight month period.

20.2.3

Students who have been academically dismissed will not be allowed to apply for readmission for at least eight months.

20.2.4

Students who have been academically dismissed for the first time and have subsequently been re-admitted after an absence of an eight month period, may re-register on probation.

20.2.5

Students who fail the same course more than once will be dismissed.

20.2.6

Students who have been academically dismissed for a second time will not be readmitted to any engineering program at Dalhousie.

20.3 Faculty of Health Professions - Suspension or Dismissal from a Program on the Grounds of Professional Unsuitability

See University Regulations.

20.A Policy on Academic Forgiveness

The Academic Forgiveness policy allows a returning student to apply to the Registrar's Office for academic forgiveness of his/her prior cumulative grade point average. The policy is designed for undergraduate and technology students who have had a period of absence from their academic program and have demonstrated acceptable academic performance following their return. The Academic Forgiveness policy is subject to the following regulations.

20.A.1 Regulations

1. Academic Forgiveness applies only to returning undergraduate and technology students who have had an absence of at least three calendar years from their program or faculty at Dalhousie University.
2. For undergraduate students, a minimum of 24 credit hours of coursework, or for Diploma in Technology students, a minimum of eight credit hours, with a grade point average of at least 2.0, must be completed after returning before a written request for Academic Forgiveness may be submitted to the Registrar's Office.
3. Academic Forgiveness will affect the student's cumulative grade point average in all courses taken prior to the minimum three year absence. Academic Forgiveness applies to all courses taken at all colleges/universities during the forgiveness period, not only selected courses or terms.
4. No punitive grades resulting from an Academic Discipline decision will be forgiven.
5. A student can have the Academic Forgiveness policy applied to his or her academic record only one time.

With the approval of the Registrar or designate, in consultation with the Dean, the student will be granted Academic Forgiveness. The student's transcript will remain a record of all coursework completed and original grades obtained. Courses taken prior to the three or more year absence will not be used in computing the student's cumulative grade point average, with the exception of punitive grades awarded as the result of an Academic Discipline decision. Students will be eligible to retain credit for courses in which they received a passing grade. However students will be required to complete at least half the credits required for their academic program following Academic Forgiveness before they will be eligible to graduate.

The transcript will have "Academic Forgiveness" noted on it at the end of the last term for which the student receives forgiveness.

21. Graduation Standing

Note that students entering the College of Pharmacy in September 1997 or later should consult the College of Pharmacy for information on graduation and scholarship standing.

21.1 Minimum Cumulative GPA

A minimum cumulative GPA of 2.00 is required for the awarding of an undergraduate degree in the Faculties of Agriculture, Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management and Science.

A minimum cumulative GPA of 2.0 is required for the awarding of Diploma in Technology in the Faculty of Agriculture.

For details on the required standing for graduation in honours programs, see the Degree Requirements section of this calendar for the Faculties of Arts and Social

Sciences, Science and the appropriate faculty/school section for honours programs in other faculties.

21.2 Graduation with Distinction

Faculties of Agriculture, Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Science and Management

A cumulative GPA of at least 3.70 is required to graduate with distinction. For the purpose of determining whether a student will graduate with distinction, all courses taken while registered in a level of study at Dalhousie, including courses taken on letter of permission, repeated courses, and courses for which non-passing grades were obtained, are included. At least half of the courses must be completed at Dalhousie. The notation "Distinction" will appear on the transcript.

Faculty of Health Professions

A cumulative GPA of at least 3.70 is required to graduate with Distinction from the Faculty of Health Professions programs. For the purpose of determining whether a student will graduate with distinction: credits that are transferred into a degree program from other Dalhousie programs are included in final GPA calculations, credits from programs outside Dalhousie taken prior to program entry are not used in final GPA calculations. Credits taken on Letters of Permission while in the program are used towards Distinction calculations. At least half of the courses must be completed at Dalhousie. Students who have been on the Dean's List for three of the four years of the BSc Pharmacy program and have a cumulative GPA of at least 3.70 or higher will graduate with Distinction

Sexton Distinction List

Students in the Faculties of Architecture and Planning, Computer Science, and Engineering who have achieved a cumulative GPA of 3.85 upon graduation will be placed on the "Sexton Distinction List". The notation "Sexton Distinction" will appear on the transcript.

21.3 Scholarship Standing

Please see Awards Section, Scholarship GPA, for information on the GPA required for scholarship purposes.

22. Graduation

In order to graduate students must submit an Intention to Graduate Form to the Registrar's Office by the deadlines indicated:

Graduation Month	Deadline
May	December 1
October	July 1

In cases where requests can be accommodated after the deadline, a \$50 fee will be charged.

23. Dean's List

23.1 Eligibility

Full-time students will be assessed for eligibility for the Dean's list at the end of each academic term. Students who take a minimum of nine credit hours in a term and achieve a term GPA of 3.70 will be placed on the Dean's list.

Part-time students will be considered once at the end of each academic year. For this purpose, a part-time student is one who takes at least nine credit hours during the academic year but less than nine credit hours in any one term in the academic year. The student must achieve a GPA of 3.70 in every term in the academic year.

NOTES:

1. The number of students placed on the Dean's list will normally not exceed 15% of the class.
2. Students registered for full year courses, i.e., courses that run from September through April will be considered for the Dean's list when full year course results are available.
3. The notation "Dean's List" will appear on the transcript.

23.2 Sexton Scholar List

Students in the Faculties of Architecture and Planning, Computer Science, and Engineering who have taken a full course load, as determined by the faculty and achieved a term GPA of 3.85 will be placed on the Sexton Scholar List.

24. Appeals

24.1 Appeals for Students with Learning Disabilities

Appeals by students with learning disabilities will follow the usual procedures of the relevant faculty at Dalhousie University. See Accommodation Policy.

24.2 College of Arts and Science/Faculty of Management/Faculty of Agriculture

Any students who believe they will suffer undue hardship from the application of any of the academic regulations may appeal for relief to the academic appeals committee of the faculty or school in which they are registered. Students wishing to appeal a decision based on faculty/school regulations must complete an "Application for a Waiver of an Academic Regulation" form, available online at http://www.dal.ca/campus_life/student_services/academic-support/grades-and-student-records/appealing-a-grade.html or in the Registrar's Office. The arguments and expectations of the petitioner must be clearly stated.

An appeal from a student, arising from an academic dismissal from the faculty should be addressed to the Assistant Dean in the Faculty of Arts and Social Sciences, the Committee on Studies and Appeals in the Faculty of Science, Academic Director, Undergraduate Programs, in the Faculty of Management, or to the Assistant Dean, students in the Faculty of Agriculture, as appropriate.

24.3 Faculty of Architecture and Planning

Appeals should be directed to the School of Architecture office or the School of Planning office.

24.4 Faculty of Computer Science

Appeals should be directed to the Administrator, Dean's Office.

24.5 Faculty of Engineering

Appeals should be directed to the Academic Appeals Committee, Faculty of Engineering.

24.6 Faculty of Health Professions

School/College Committee on Undergraduate Student Appeals

Contact the School/College or Faculty of Health Professions office for the complete terms of reference for the Committee on Undergraduate Student Appeals and the application regarding academic appeals.

Faculty Committee on Undergraduate Student Appeals

The jurisdiction of the Faculty Committee on Undergraduate Student Appeals is to hear academic appeals beyond the school/college level when the approved appeal regulations and procedures of the respective school/college have been fully exhausted by the student. Decisions of the Faculty Committee may be appealed to the Senate Academic Appeals Committee.

The Committee has no jurisdiction to hear student appeals on a matter involving a requested exemption from the application of faculty or university regulations or procedures except when irregularities or unfairness in the application thereof is alleged. This means that only procedural issues and not the merits of the case, are subject

to appeal.

25. Changes in Regulations

In general, any change to academic regulations which affects a currently registered student adversely will not apply to that student. Any student suffering undue hardship from application of any of the academic regulations may appeal for relief to the appropriate academic appeals committee as in Section 24.

Minors

The purpose of a minor is to attain a significant body of knowledge within a discipline that is outside of the student's major. A minor can be added to many 120 credit hour degree programs at Dalhousie including the Bachelor of Arts, Bachelor of Commerce, Bachelor of Community Design, Bachelor of Computer Science, Bachelor of Informatics, Bachelor of Management, Bachelor of Science, and Bachelor of Science (Agriculture). The individual minor listing on the right will indicate to which degrees the minor can be added.

Eligible minors within the BA or BSc 90 credit hour degree

Minor in Abrahamic Religions

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students declaring a Minor in the Abrahamic Religions will complete a minimum of 18 credit hours at the 2000 level or above to a maximum of 27 credit hours, chosen from the lists below. At least three credit hours must be taken from each of the Judaism, Christianity and Islam lists; RELS 3019 and RELS 3382 may each be used to satisfy parts of this requirement.

Judaism courses

- RELS 2001.03: Judaism
- RELS 2220.03: Ancient Israel
- RELS 3018.03: Meetings between Hellenism and the East to Philo the Jew
- ARBC 3050.03: Arabic Philosophical Texts: Maimonides or RELS 4011.03: Jewish Philosophy: Maimonides
- RELS 4019.03: Philo Judaeus

Christianity courses

- RELS 2281.03: Christian Beginnings: The Orthodox and Oriental Churches
- RELS 2282.03: Christian Beginnings: Catholicism
- RELS 3009.03: Christianity in the Lands of Islam
- RELS 3381.03: Medieval Philosophy from Anselm to Augustine
- RELS 3411.03: St. Augustine's Confessions I
- RELS 3412.03: St. Augustine's Confessions II
- RELS 3431.03: St. Augustine's On the Trinity Part I
- RELS 3432.03: St. Augustine's On the Trinity Part II
- CLAS 3841.03: Latin Philosophical Texts: Aquinas Texts
- CLAS 3842.03: Latin Philosophical Texts: Anselm and Bonaventure Texts
- CLAS 4070.03: The Confessions in Latin
- CLAS 4400.06: Philosophy of the Church Fathers
- CLAS 4018.03: Christian Theology in Islamic Lands: John of Damascus

Islam courses

- RELS 2003.03: Islam
- RELS 2052.03: Cultural Introduction to the Arab World
- ARBC 3040.03: Arabic Philosophical Texts: al-Ghazali

Or

- RELS 4010.03: Islamic Philosophy: al-Ghazali
- RELS 3003.03: Islam and the Others
- RELS 3012.03: Mystics of the Middle East
- RELS 2503.03: Classical and Medieval History of Islamic Civilization
- RELS 3510.03: Sultans and Shahs: Polity and Religion in the Islamic Gunpowder Age.
- CLAS 3602.03: Classical and Medieval History of the Persianate World

Bridging courses

- RELS 2203.03: Philosophy and God
- RELS 3000.03: Topics in Religious Studies
- RELS 3019.03: Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance

- RELS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- RELS 3910.06: Neoplatonism: Plato and Neoplatonism
- RELS 4450.06: Medieval Interpreters of Aristotle
- CLAS 4500.06: Seminar on Neoplatonism

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Agricultural Business

This minor is available to Bachelor of Science (Agriculture) students.

Required:

- MGTA 2002.03: Marketing
- MGTA 2004.03: Financial Accounting
- MGTA 3009.03: Financial Management

Choose 9 credit hours from the following list: (Students must ensure that they have the appropriate prerequisites before registering.)

Any course with an MGTA (MGMT or COMM designation) including the following:

- MGTA 1004.03: Introduction to Business
- MGTA 2000.03: Human Resource Management
- MGTA 2001.03: Introduction to Business Law
- MGTA 2006.03: Advertising and Promotion
- MGTA 2009.03: Customer Relations Management
- MGTA 3000.03: Management Accounting
- MGTA 3001.03: International Marketing
- MGTA 3002.03: Consumer Behaviour
- MGTA 3007.03: Quality Management
- MGTA 4000.03: Strategic Management
- MGTA 4001.03: Advanced Entrepreneurship
- ECOA 1001.03: Principles of Macroeconomics
- ECOA 2003.03: Agricultural Futures and Options
- ECOA 3002.03: Agricultural and Food Policy
- ECOA 3006.03: Statistics for Economics and Business
- ECOA 4004.03: Trade
- CMMT 3000.03: Communication Theory and Skills
- EXTE 3001.03: Leadership Development and the Social Action Process
- RURS 3000.03: Rural Community Economic Development

Additional courses approved by the Business & Social Sciences Department Head.

Students may count a maximum of nine credit hours of MGTA courses from their major towards their minor.

Minor in Agricultural Chemistry

This minor is available to Bachelor of Science (Agriculture) students.

15 credit hours of chemistry courses including:

- CHMA 2000.03: Organic Chemistry I
- CHMA 3003.03: Advanced Integrated Chemistry Laboratory I

Nine credit hours of courses approved by the Department of Environmental Sciences.

Students may not select courses which are required for their major.

Minor in Agricultural Economics

This minor is available to Bachelor of Science (Agriculture) students.

Required:

- ECOA 1001.03: Principles of Macroeconomics

Choose 15 credit hours from the following list: (Students must ensure that they have the appropriate prerequisites before registering.)

Any course with an ECOA (or ECON designation) including:

- ECOA 2000.03: Intermediate Microeconomics
- ECOA 2001.03: Intermediate Macroeconomics
- ECOA 2003.03: Agricultural Futures and Options
- ECOA 2004.03: Issues in Environmental Economics
- ECOA 3000.03: Mathematical Economics
- ECOA 3002.03: Agricultural and Food Policy
- ECOA 3003.03: Mathematical Programming
- ECOA 3004.03: Agricultural Markets and Prices
- ECOA 3006.03: Statistics for Economics and Business
- ECOA 3007.03: Environmental and Resource Economics
- ECOA 4000.03: Advanced Microeconomics
- ECOA 4004.03: Trade
- ECOA 4005.03: Advanced Macroeconomics
- MGTA 3002.03: Consumer Behaviour
- MGTA 3009.03: Financial Management
- INFB 1000.03: International Food Policy

Additional courses approved by the Business & Social Sciences Department Head.

Students may count a maximum of nine credit hours of ECOA courses from their major towards their minor (ECOA 1000.03 excluded).

Minor in American Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

18 credit hours at the 2000 level or above to a maximum of 27 credit hours to be selected from the list below. Student minoring in American Studies must take at least three credit hours from each of the three participating departments: English, History, Political Science. Please note that not all courses are offered each year.

ENGL 2003.03: American Literature
ENGL 2070.03: African American Literature
ENGL 3061.03: American Literature to 1865
ENGL 3062.03: American Literature 1865 - 1914
ENGL 3070.03: 20th Century African American Novel
ENGL 3220.03: American Literature of the Earlier Twentieth Century
ENGL 3221.03: American Literature of the Later Twentieth Century
ENGL 3245.03: Beat Generation
ENGL 3820.03: Nabokov
ENGL 4017.03: William Faulkner and Toni Morrison
ENGL 4022.03: Ellison and Everett
ENGL 4280.03: Hollywood Fiction
ENGL 4281.03: Literature and Television
ENGL 4400.03: Nature and American Culture
ENGL 4405.03: American Gothic
ENGL 4406.03: New York in Fiction and Poetry
ENGL 4456.03: American Literature of the Great Depression
ENGL 4609.03: Moby Dick in Context
ENGL 4803.03: Race and Gender in American Speculative Fiction

HIST 2331.03: Creation of the American Republic
HIST 2332.03: The American Republic, 1840-1990

HIST 2332.03: Political Reform in Twentieth Century America
 HIST 2335.03: Modern American Culture
 HIST 2336.03: The American Century
 HIST 2340.03: The Cold War
 HIST 3358.03: Slavery, Gender and Power: Women in Nineteenth Century America
 HIST 3361.03: The American Civil War and Reconstruction
 HIST 3365.03: The Vietnam War
 HIST 3368.03: America in the 1950s
 HIST 3369.03: America in the 1960s
 HIST 3370.03: North American Landscape
 HIST 3372.03: The Cuban Missile Crisis
 HIST 3372.03: Spying on the World: The CIA in American History
 HIST 3374.03: The Objectivity Question in American History|
 HIST 3380.03: Slavery and Freedom in the Americas
 HIST 4360.03: Slavery and American Political Culture
 HIST 4988.03: The Historiography of American Foreign Relations, Post 1945

POLI 2300.03: Comparative Politics
 POLI 2540.03: Canadian-American Relations
 POLI 3304.03: Comparative Federalism
 POLI 3378.03: US Constitution, Government and Politics
 POLI 3431.03: Politics Through Film and Literature
 POLI 3440.03: The Politics of Fear
 POLI 3525.03: Comparative Foreign Policy Simulation
 POLI 3574.03: American Foreign Policy
 POLI 4242.03: Politics of Reason, Passion, Biology
 POLI 4512.03: The Politics of North America

Minor in Ancient History

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours from the following list at the 2000 level or above to a maximum of 27 credit hours.

- CLAS 2021.03 Ancient Art and Architecture from the Pyramids to the Forum
- CLAS 2027.03 Magic, Religion & Philosophy
- CLAS 2209.03 The Roman World from Constantine to Theodosius
- CLAS 2214.03 The Roots of Greek Civilization
- CLAS 2215.03 The Classical Greek World
- CLAS 2216.03 Alexander the Great and the Hellenistic Kings
- CLAS 2220.03 Ancient Israel
- CLAS 2231.03 The Rise of Rome
- CLAS 2232.03 The Fall of Rome
- CLAS 2233.03 Roman Legions and the Barbarians
- CLAS 2234.03 Death, Sex, and Gold in the Ancient World
- CLAS 2281.03 Christian Beginnings: The Orthodox and Oriental Churches
- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3021.03 Ancient Art and Architecture from the Pyramids to the Forum
- CLAS 3205.03 Fall of the Roman Republic
- CLAS 3282.03 Christian Beginnings: Catholicism
- CLAS 3501.03 Herodotus: Father of History, Father of Lies
- CLAS 3502.03 Thucydides and the Greek World at War
- CLAS 3780.06 Greek Historians
- CLAS 3791.03 Greek Historians in Translation
- CLAS 3760.06 Reading and Research of Greek Texts (when appropriate)
- CLAS 3850.06 Reading and Research of Latin Texts (when appropriate)
- CLAS 4100.03 Reading and Research in Latin Texts (when appropriate)
- CLAS 4540.03 Ammianus Marcellinus and his World

Language Courses

Not more than six credit hours in ancient language may be counted towards the Minor:

- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Animal Science

This minor is available to Bachelor of Science (Agriculture) students.

18 credit hours of courses approved by the Plant & Animal Science Department. The content of the minor will be decided on a student-by-student basis. Students cannot select courses which are required for their major. Students should consult the department for additional information.

Minor in Animal Welfare

This minor is available to Bachelor of Science (Agriculture) students.

18 credit hours including:

- ANSC 3002.03: Domestic Animal Behaviour
- ANSC 3005.03: Animal Welfare

12 credit hours of the following courses taken in consultation with the Animal Science advisor:

- ANSC 3001.03: Animal Health
- ANSC 4009.03: Directed Study in Animal Sciences (can be used for the minor if the topic is within the area of animal welfare science)
- BIOA 3004.03: Environmental Physiology
- BIOA 4004.03: Animal Adaptation & Stress
- PHLA 3000.03: Environmental & Agricultural Ethics
- RESM 4XXX: Project Seminar I & II (can together count as one course towards the minor if the research project is conducted in the field of animal welfare science)

Students may select up to nine credit hours to count towards the minor as well as the major.

Minor in Applied Ethics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

At least 18 credit hours and no more than 27 credit hours in Philosophy beyond the 1000 level, including at least three credit hours beyond the 2000 level.

Select at least three credit hours from the following:

PHIL 2130.03 Logic: Deduction
 PHIL 2085.03 Reasoning Skills
 PHIL 2090.03 How to Win an Argument
 PHIL 2660.03 Logic: Understanding Scientific Reasoning

Select:

PHIL 3105.03 Ethics

Select at least nine credit hours from the following:

PHIL 2805.03 Ethics & Health Care: Patient Care
 PHIL 2810.03 Ethics & Health Care: Social Policy
 PHIL 2081.03 Ethics in the World of Business
 PHIL 2480.03 Environmental Ethics
 PHIL 2485.03 Technology and the Environment
 PHIL 2490.03 Social, Ethics and Health Care

Minor in Aquaculture

This minor is available to Bachelor of Science (Agriculture) students.

18 credit hours chosen from the following, in consultation with the Aquaculture advisor:

- AQUA 2000.03: Introduction to Aquaculture
- AQUA 3000.03: Fish Health
- AQUA 4000.03: Finfish Production
- AQUA 4001.03: Shellfish Production
- BIOA 3005.03: Physiology of Aquatic Animals
- BIOA 3006.03: Aquatic Ecology
- APSC 2004.03: Aquacultural Environment
- APSC 3013.03: Aquacultural Systems Technology
- NUTR 3002.03: Fish Nutrition

Students may select up to nine credit hours to count toward the minor as well as the major.

Minor in Arabic Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours at the 2000 level or above to a maximum of 27 credit hours from the following list:

Required:

- ARBC 2020.06

And 12 credit hours selected from the following:

- ARBC 2100.03 Cultural Introduction to the Arab World
- ARBC 3030.03 Advanced Arabic I
- ARBC 3031.03 Advanced Arabic II
- ARBC 3040.03 Arabic Philosophical Texts: al-Ghazali or RELS 4010.03 Islamic Philosophy: al-Ghazali
- ARBC 3050.03 Arabic Philosophical Texts: Maimonides or RELS 4011.03 Jewish Philosophy: Maimonides
- ARBC 3100.03 Arabic Pre-Islamic Poetry
- CLAS 2281.03 Christian Beginnings: The Orthodox and Oriental Churches
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- RELS 2003.03 Islam
- RELS 3003.03 Islam and the Others
- RELS 3009.03 Christianity in the Lands of Islam
- RELS 3012.03 Mystics of the Middle East
- RELS 4018.03 Christian Theology in Islamic Lands: John of Damascus

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Please note: Students wishing to take ARBC 1020X/Y.06 must take the Arabic Placement Test (APT). This test is administered by the instructor at the beginning of the regular academic session.

Minor in Biochemistry and Molecular Biology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 credit hours in Biochemistry (BIOC) courses at the 2000 level or higher to a maximum of 36 credit hours.

Please note that there are prerequisite requirements for entry into upper level Biochemistry (BIOC) courses. Some non-BIOC courses such as BIOL 2020.03, BIOL 2030.03, CHEM 2401.03 and CHEM 2402.03 are required for the Biochemistry and Molecular Biology degree programs. These non-BIOC courses cannot be counted as part of the 18 credits hours in BIOC required for a minor.

Minor in Bioethics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

At least 18 credit hours and no more than 27 credit hours in Philosophy beyond the 1000 level, including at least three credit hours beyond the 2000 level.

Select:
PHIL 3105.03 Ethics

Select at least three credit hours from the following:
PHIL 2130.03 Logic: Deduction
PHIL 2085.03 Reasoning Skills
PHIL 2090.03 How to Win an Argument
PHIL 2660.03 Logic: Understanding Scientific Reasoning

Select at least nine credit hours from the following:
PHIL 2805.03 Ethics & Health Care: Patient Care
PHIL 2810.03 Ethics & Health Care: Social Policy
PHIL 2720.03 Ethics and the Good Life
PHIL 4801.03 Topics in Ethics and Health Care

Minor in Biology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor is not available to students majoring in Marine Biology.

A BSc or BA (90 credit hour) degree program with a Minor in Biology is available to students in the Faculty of Science.

Requirements

- A minimum of 18 credit hours in Biology (BIOL) courses at the 2000 level or higher to a maximum of 36 credit hours.

Please note that upper level Biology (BIOL) courses have prerequisite requirements.

Minor in Business

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

The requirements are:

- COMM 2202.03
- COMM 2303.03

- COMM 2401.03
- COMM 3511.03
- six credit hours in commerce at or above the 2000 level

Additionally, students are responsible for completing the following required prerequisite courses:

- COMM 1010.03
- COMM 1101.03
- COMM 1502.03
- ECON 1101.03
- ECON 1102.03
- For BA: MATH 1115.03 For BSc: MATH 1000.03 or MATH 1010.03 or MATH 2030.03

Minor in Canadian Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Canadian Studies is also available.

Required:

1000 level

- Six credit hours in French (a course in an aboriginal language may be substituted, as a transfer credit).
- CANA 2000X/Y.06: The Idea of Canada: An Introduction
- A minimum of 15 and a maximum of 21 credit hours from the list of electives. CANA 3000.03 and CANA 4000.03 may count towards this requirement.

In addition to the courses listed below, appropriate courses in other departments may be taken as Canadian Studies credits, with the permission of the instructor concerned and the coordinator.

- CANA 1102.03: Halifax and the World: Part One.
- CANA 1103.03: Halifax in the World: Part Two.
- CANA 2004.03: Canadian Literature.
- CANA 2021.03: CANA 2022.03: Language and Culture.
- CANA 2050.03: Historical Issues in Indigenous Studies.
- CANA 2051.03: Contemporary Issues in Indigenous Studies.
- CANA 2110X/Y.06: Exploring Canadian Society.
- CANA 2111.03: Is there an Atlantic Canada?
- CANA 2115.03: African Canadian Society, Culture, and Resistance.
- CANA 2203.03: Approches du texte littéraire/ Approaches to Literary Texts.
- CANA 2207.03: Canada's Origins to 1763.
- CANA 2208.03: Patriots, Rebels, Refugees: Canada's roots in the Age of Revolution, 1763 to 1860.
- CANA 2209.03: Making a Nation: Canada, 1860-1929.
- CANA 2210.03: Many Canadas: Canada, 1930 to the present.
- CANA 2211.03: Social History of Canada before 1870.
- CANA 2212.03: Social History of Canada since 1870.
- CANA 2218.03: The Canadian Economy in the New Millennium: Economic Policy Debates.
- CANA 2231.03: The Making of Modern Canada: Canadian Political History, 1896 to the Present.
- CANA 2233.03: Canadian Economic Hist. I
- CANA 2235.03: History of Canadian Culture
- CANA 2250.03: History of the Canadian West
- CANA 2271.03: Atlantic Canada to Confederation
- CANA 2272.03: Atlantic Canada since Confederation: Regionalism, Identity, and Development, 1867-2000
- CANA 2410.03: Environmental Issues in Earth Sciences
- CANA 3008.03: Canadian Society and Politics.
- CANA 3009.03: Public Opinion in Canada.
- CANA 3020.03: Canadian Cultural Landscapes.
- CANA 3026.03: Le français québécois/ Quebec French.
- CANA 3107X/Y.06: Experiential Learning: Canada.
- CANA 3185.03: Issues in the Study of Indigenous Peoples of North America.
- CANA 3220.03: Coastal Communities in the North Atlantic.

- CANA 3223.03: The Caring Society? - Welfare in Canada since 1900.
- CANA 3231.03: Modern Canadian Literature.
- CANA 3245.03: French Canada.
- CANA 3270.03: Contemporary Canadian Literature.
- CANA 3333.03: News Media and the Courts in Canada.
- CANA 3568.03: Canada and the World.
- CANA 3900.03: CANA 3901.03: La littérature canadienne française/French-Canadian Literature.
- CANA 3910.03: Études acadiennes/Acadian Studies.
- CANA 4300.03: Canadian Healthcare Delivery System.
- CANA 4362.03: Topics in Canadian Music
- CANA 4500.03: Canadian Theatre to 1968: Performing the Nation.
- CANA 4501.03: Canadian Theatre Since 1968: Interrogating Identities.

Minor in Chemistry

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Chemistry is available to students in the Faculty of Science.

Requirements

- A minimum of 18 credit hours in Chemistry (CHEM) courses at the 2000 level or higher to a maximum of 36 credit hours, not including any course that cannot be used toward a Chemistry degree

Please note that entry into upper level Chemistry (CHEM) courses requires completion of six credit hours at the first year level (CHEM 1011.03/CHEM 1012.03)

Minor in Chinese Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 18 credit hours in Chinese Studies above the 1000 level. Within those 18 credit hours, students must include CHIN 2030.06, or CHIN 2031.03/CHIN 2032.03 and at least six credit hours above the 2000 level.

Minor in Classical Literature

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours to a maximum of 27 credit hours from the following list:

- CLAS 2100.06 Gods, Heroes, and Monsters: Ancient Mythology
- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2515.03 Myth into Film I: the Greek World
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin
- CLAS 3515.03 Greek Tragedy
- CLAS 3516.03 Ancient Comedy
- CLAS 3525.03 Ancient Greek Epic
- CLAS 3700.06 Advanced Greek
- CLAS 3760.06 Reading and Research of Greek Texts
- CLAS 3800.06 Roman Satire
- CLAS 3810.06 A Study of Virgil
- CLAS 3820.06 Advanced Latin Literature: Augustan Poetry and Prose
- CLAS 3850.06 Reading and Research of Latin Texts
- CLAS 4710.03 Special Topics
- CLAS 4820.03 Special Topics
- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4070.03 The Confessions in Latin

- CLAS 4100.03 Reading and Research in Latin Texts
- CLAS 4540.03 Ammianus Marcellinus and his World
- CLAS 4580.03 Reading and Research

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Classics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students declaring a Minor in Classics will complete between 18 and 27 credit hours in Classics at the 2000 level or higher.

A BA (90 credit hour) degree program with a Minor in Classics is also available.

Minor in Classics: Ancient Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours at the 2000 level or above to a maximum of 27 credit hours from the following list, including a minimum of 9 credit hours chosen from the following:

- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 2366.03 Gods, Beasts and the Political Animal: Plato, Aristotle, and their Legacy
- CLAS 3400.06 The Dialogues of Plato
- CLAS 3500.06 Aristotle

Philosophy courses

- CLAS 2024.03 Philosophy and God
- CLAS 2027.03 Magic, Religion and Philosophy
- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 2366.03 Gods, Beasts and the Political Animal: Plato, Aristotle, and their Legacy
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3400.06 The Dialogues of Plato
- CLAS 3411.03 St. Augustine's Confessions I
- CLAS 3412.03 St. Augustine's Confessions II
- CLAS 3431.03 St. Augustine's On the Trinity Part I
- CLAS 3432.03 St. Augustine's On the Trinity Part II
- CLAS 3500.06 Aristotle
- CLAS 3900.06 The Philosophy of Aristotle
- CLAS 3910.06 Neoplatonism: Plato and Neoplatonism
- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4019.03 Philo Judaeus
- CLAS 4400.06 Philosophy of the Church Fathers
- CLAS 4500.06 Seminar on Neoplatonism
- CLAS 4601.03 Hellenistic Philosophy - Stoics and Epicureans
- CLAS 4602.03 Hellenistic Philosophy - From Scepticism to Neoplatonism

Language Courses

Not more than six credit hours of a language course may be counted towards the Minor:

- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Classics: Medieval Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take between 18 and 27 credit hours from the following list, including the listed language courses. Must include 9 credit hours from:

- CLAS 3381.03 Medieval Philosophy from Anselm to Augustine
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- ARBC 3040.03 Arabic Philosophical Texts: al-Ghazali (or CLAS 4010.03 Islamic Philosophy: al-Ghazali)
- ARBC 3050.03 Arabic Philosophical Texts: Maimonides (or CLAS 4011.03 Jewish Philosophy: Maimonides)
- CLAS 4018.03 Christian Theology in Islamic Lands: John of Damascus
- CLAS 4450.06 Medieval Interpreters of Aristotle

Philosophy courses

- CLAS 2024.03 Philosophy and God
- CLAS 2027.03 Magic, Religion and Philosophy
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3381.03 Medieval Philosophy from Anselm to Augustine
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- CLAS 3411.03 St. Augustine's Confessions I
- CLAS 3412.03 St. Augustine's Confessions II
- CLAS 3431.03 St. Augustine's On the Trinity Part I
- CLAS 3432.03 St. Augustine's On the Trinity Part II
- CLAS 3841.03 Latin Philosophical Texts: Aquinas Texts
- CLAS 3842.03 Latin Philosophical Texts: Anselm and Bonaventure Texts
- CLAS 3910.06 Neoplatonism: Plato and Neoplatonism
- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4070.03 The Confessions in Latin
- CLAS 4400.06 Philosophy of the Church Fathers
- CLAS 4450.06 Medieval Interpreters of Aristotle
- CLAS 4500.06 Seminar on Neoplatonism
- CLAS 4602.03 Hellenistic Philosophy - From Scepticism to Neoplatonism

Language Courses

Not more than six credit hours in a language course may be counted towards the Minor:

- ARBC 2020.06 Intermediate Arabic
- ARBC 3030.03 Advanced Arabic I
- ARBC 3031.03 Advanced Arabic II
- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin
- CLAS 2900.06 Intermediate Hebrew

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Community Design

This minor is available to students registered in a 120 credit hour Bachelor of Arts or Bachelor of Science program.

The requirements are as for the appropriate degree program with completion of the following courses:

- Required courses: PLAN 1001.03 and PLAN 1002.03
- Elective credit hours: 24 additional credit hours from among PLAN courses (with exception of PLAN 4001, PLAN 4002, PLAN 4050, PLAN 4100 and PLAN 4500 which are restricted to Honours BCD students). Consult the university timetable and calendar for current PLAN offerings and prerequisites.

Note: Space in community design course is limited. Students in the minor are admitted to courses only when space permits following registration of the BCD students.

not all courses are offered every year. Students should plan for at least four more semesters after completing PLAN 1001 and PLAN 1002 to complete the requirements.

Minor in Computer Science

This minor is available to non-Computer Science students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, or Bachelor of Management program.

The requirements are as for the appropriate program with the completion of the following courses:

- CSCI 1100.03
- CSCI 1101.03
- CSCI 2110.03
- CSCI 2132.03
- Two of CSCI 3110.03, CSCI 3120.03, CSCI 3130.03, CSCI 3136.03 and CSCI 3171.03
- 6 additional CSCI credit hours at or above the 2000 level, excluding CSCI 2100.03 and CSCI 3101.03

Minor in Contemporary Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Contemporary Studies must complete between 18 and 27 credit hours at the 2000 level or above.

This must include at least six credit hours at the 3000 or 4000 level (CTMP 3000.06 or CTMP 4000.06 will also fulfill this requirement), and six credit hours from:

- CTMP 2000.06
- CTMP 3000.06
- CTMP 4000.06

Minor in Early Modern Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Early Modern Studies must complete between 18 and 27 credit hours at the 2000 level or above.

This must include at least six credit hours at the 3000 or 4000 level (EMSP 3000.06 or EMSP 4000.06 will also fulfill this requirement) and six credit hours from:

- EMSP 2000.06
- EMSP 3000.06
- EMSP 4000.06

Minor in Earth Sciences

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Earth Sciences is available to students in the Faculty of Science.

Requirements

Students starting in 2014-15:

- EARTH 1080.03 and EARTH 1090.03
- A minimum of 18 credit hours in Earth Sciences courses at the 2000 level or higher, must include at least six credit hours at the 3000 level or higher

Students starting prior to Fall 2014-15:

- EARTH 1080.03 and one of EARTH 1030.03, EARTH 1060.03, EARTH 1090.03, EARTH 1091.03
- A minimum of 18 credit hours in Earth Sciences courses at the 2000 level or higher, must include at least six credit hours at the 3000 level or higher

Minor in Economics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Economics is available to students in the Faculty of Science.

Requirements

- ECON 1101.03/ECON 1102.03
- Must complete between 18 and 36 credit hours in Economics courses at the 2000 level or higher

Minor in English

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in English is also available.

- Must complete between 24 and 27 credit hours in English at or above the 2000 level. At least 3 credit hours must be 3000 level or above.

Minor in Environment, Sustainability and Society

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

- a minimum of 18 credit hours and a maximum of 27 credit hours at the 2000 level or above in SUST courses.
- Prerequisites: SUST 1000.06 and SUST 1001.06

Minor in Environmental Science

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- Between 18 and 36 credit hours in Environmental Science (ENVS) courses at the 2000 level or higher

Minor in Environmental Science - Agriculture

This minor is also available to **Bachelor of Science (Agriculture)** students.

15 credit hours including:

- ENVA 2000.03: Environmental Studies I or APSC 2012: Introduction to Bioresource Science
- ENVA 2001.03: Environmental Studies II

Nine credit hours are required from the following approved courses:

- APSC 4005.03
- BIOA 3001.03
- CHMA 3009.03; CHMA 3010.03
- ENVA 2002.03; ENVA 3000.03; ENVA 3002.03; ENVA 3004.03; ENVA 3021.03; ENVA 4000.03; ENVA 4002.03; ENVA 4005.03; ENVA 4006.03
- HORT 3000.03
- MCRA 2000.03; MCRA 4000.03
- SOIL 2000.03; SOIL 3001.03; SOIL 4000.03

Students may not select courses which are required for their major.

Minor in Environmental Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

BA Minor

BA students must take 12 credit hours of required courses and 18 elective credit hours from the list of approved courses below. The following rules apply to the selection of courses for the Minor:

- A maximum of three credit hours in the Major subject (i.e., a course beyond those required for the Major) can count instead toward the Minor.
- At least six credit hours from the Approved Electives list must be in FASS courses and at least six credit hours must be from Science Approved Electives courses.
- In addition to ENVS 3200.03, at least nine credit hours must be at the 3000 level or above.

Required Courses:

- ENVS 1000X/Y.06: Introduction to Environmental Science or ENVS 1100.03: Foundations of Environmental Science and ENVS 1200.03: Current Issues in Environmental Science
- PHIL 2480.03: Environmental Ethics
- ENVS 3200.03: Introduction to Environmental Law

BA Approved Electives in Environmental Studies:

Additions to the following lists will be made, as relevant courses become available.

Faculty of Science:

- BIOL 2060.03: Introductory Ecology
- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 2605.03: Introduction to Marine Life in Nova Scotia
- BIOL 3060.03: Environmental Ecology
- BIOL 3061.03: Communities and Ecosystems
- BIOL 3225.03: Plants in the human landscape
- BIOL 3226.03: Economic Botany, Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 3615.03: Methods in Ecology
- BIOL 4065.03: Sustainability and Global Change
- CHEM 2505.03: Environmental Chemistry

- ECON 2336.03: Regional Development
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- EARTH 2410.03: Environmental and Resource Geology I
- EARTH 3500.03: Geoscience Information Management
- GEOG 2800.03: Climate Change
- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- PHYC 2451.03: Astronomy I: The Sky and Planets
- PHYC 2800.03: Climate Change
- ENVS 2001.03: Analytical Environmental Science and Social Responsibility
- ENVS 2100.03: Environmental Informatics
- ENVS 3000.03: Environmental Science Internship
- ENVS 3210.03: Environmental Law II: Natural Justice and Unnatural Acts
- ENVS 3220.03: International Environmental Law for Scientists
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3400.03: Human Health and Sustainability
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II: The Campus as a Living Laboratory

Faculty of Arts and Social Sciences (FASS):

- CTMP 3000.06: Science and Culture
- CTMP 3150.03: Nature and History
- CTMP 3210.03: Intersecting Bodies, Selves and Environments
- CTMP 3411.03: Studies in Contemporary Science and Technology
- EMSP 2310.03: Women and Gender in Early Modern Science
- EMSP 2330.03: Nature Imagined
- EMSP 3000.06: The Study of Nature in Early Modern Europe
- ENGL 4005.03: Green Reading: Nature, Culture, Canada
- ENGL 4400.03: Nature of America
- HSTC 3000.03: The Scientific Revolution
- HSTC 4000.06: Science and Nature in the Modern Period
- HSTC 4300.03: Nature and Romanticism
- HIST 3073.03: History of Marine Sciences
- HIST 3210/CANA 3020/GEOG 3020.03: Canadian Cultural Landscapes
- HIST 3302.03: Technology and History in North America
- HIST 3370.03: North American Landscapes
- HIST 3750.03: History of Seafaring
- HIST 4271.03: The Fisheries of Atlantic Canada - Society and Ecology in Historical Perspective
- HIST 4350.03: People and Things - Material Culture
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- INTD 3002.03: Seminar in Development: Development Practice
- INTD 3114.03: Environment and Development
- INTD 3304.03: Sustainable Development in Cuba
- INTD 4013.03: Environmental Conflict & Security
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2485.03: Technology and the Environment
- PHIL 3670.03: Philosophy of Science
- PHIL 4120.03: Theory of Rational Decision-Making
- POLI 3585.03: Politics of the Environment
- POLI 4228.03: Interest Groups
- POLI 4380.03: Politics of Climate Change
- SOSA 2100.06: Environment and Culture
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3220.03: Coastal Communities
- SOSA 4210.03: Tourism and Development
- SPAN 2070.03: Area Studies on Mexico and Central America
- GWST 3310.03: Gender and Development in Africa

Other Electives

- PLAN 2001.03: Landscape Analysis
- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History

- PLAN 3010.03: Urban Ecology
- PLAN 3020.03: Landscape Design
- PLAN 4106.03: Transportation Planning

BSc, BCSc, BInf, BComm, BMgmt Minor

Students in these programs must take 18 credit hours of required courses, plus 12 credit hours from the approved list of elective courses below. Note: In planning their programs students must take into account the prerequisites which apply to many of the elective courses listed below. The following rules apply to the selection of courses for the Minor:

- No course can fulfill a requirement of both the Major or Honours subject and the Minor.
- A maximum of three credit hours in the Major/Honours subject (i.e., a course beyond those required for the Major/Honours) can count toward the Minor.
- At least three credit hours beyond the required courses must be at the 3000 level or above.

Additions to the Electives list will be made as relevant courses become available.

Required Courses:

- ENVS 1000X/Y.06: Introduction to Environmental Science or ENVS 1100.03: Foundations of Environmental Science and ENVS 1200.03: Current Issues in Environmental Science
- PHIL 2480.03: Environmental Ethics
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II
- ENVS 3200.03: Introduction to Environmental Law

Electives (12 credit hours from the list):

- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 2605.03: Introduction the Marine Life of Nova Scotia
- BIOL 3063.03 Resource Ecology
- BIOL 3225.03: Plants in the Human Landscape
- BIOL 3226.03: Economic Botany, Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 3xxx.03: Any ecology-related course at 3000-level or above
- BIOL 4065.03: Sustainability and Global Change
- BIOL 4104.03: Environmental Microbiology
- BIOL 4160.03: Political Ecology
- CHEM 2505.03: Environmental Chemistry I
- CHEM 4203.03: Environmental Chemistry II
- CHEM 4595.03: Atmospheric Chemistry
- CTMP 3210.03: Intersecting Bodies, Selves and Environment
- CTMP 3220.03: The Aesthetics of Nature
- EARTH 2203.03: Sediments and Sedimentary Rocks
- EARTH 2410.03: Environmental and Resource Geology I
- EARTH 3302.03: Quaternary Sedimentary Environments
- EARTH 3400.03: Fundamentals of Hydrogeology
- EARTH 3402.03: Practical Hydrogeology
- EARTH 3410.03: Environmental Geology 2
- EARTH 3420.03: Geochemistry of Aquatic Environments
- EARTH 3440.03: Geomorphology
- EARTH 3500.03: Geoscience Information Management
- EARTH 4450.03: Introduction to Landscape Simulation
- EARTH 4502.03: Micropaleontology and Global Change
- EARTH 4520.03: GIS Applications to Environmental and Geological Sciences
- EARTH 4530.03: Environmental Remote Sensing
- ECON 2210.03: Emerging Giants: the Economic Rise of China and India
- ECON 2216.03: Economics of Global Warming
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- ENVS 2100.03: Environmental Informatics
- ENVS 3000.03: Environmental Science Internship
- ENVS 4210.03: Administrative Environmental Law: Natural Justice and Unnatural Acts
- ENVS 3220.03: International Law for Environmental Scientists
- ENVS 3225.03: Plants in the Human Landscapes

- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3301.03: Enterprise Sustainability
- ENVS 3400.03: Human Health and Sustainability
- ENVS 3500.03: Geoscience Information Management
- ENVS 3615.03: Methods in Ecology
- ENVS 3632.03: Applied Field Methods in Fish Ecology
- ENVS 3801.03: Directed Readings in Environmental Science
- ENVS 4001.03: Environmental Impact Assessment
- GEOG 2800.03: Climate Change
- HIST 3370.03: North American Landscapes
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- INTD 3304.03: Sustainable Development in Cuba
- MICI 4104.03: Environmental Microbiology
- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- OCEA 4110.03: Introduction to Geological Oceanography
- OCEA 4120.03: Introduction to Physical Oceanography
- OCEA 4130.03: Introduction to Chemical Oceanography
- OCEA 4140.03: Introduction to Biological Oceanography
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2485.03: Technology and the Environment
- PHYC 2310.03: Energy and the Environment
- PHYC 2451.03: Astronomy I: The Sky and Planets
- PHYC 2800.03: Climate Change
- PLAN 2001.03: Landscape Analysis
- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3010.03: Urban Ecology
- PLAN 3020.03: Landscape Design
- PLAN 4106.03: Transportation Planning
- POLI 3380.03: Politics of Climate Change
- POLI 3385.03: Politics of the Environment
- POLI 3589.03: Politics of the Sea I
- POLI 3590.03: Politics of the Sea II
- SOSA 2100.06: Environment and Culture
- SOSA 3211.03: Continuity and Change in Rural Society
- SOSA 3220.03: Coastal Communities in the North Atlantic

BCD Minor

The Minor in Environmental Studies is a five credit (30 credit hour) Minor taken in conjunction with the Bachelor of Community Design Honours (It is not available within the three year BCD program). The Minor in Environmental Studies provides a student with an appreciation of the scientific, cultural, economic, historic, legal and social aspects of environmental issues. The student will have the opportunity to earn an additional credential on the degree to recognize the special concentration of courses in environmental studies. Approval for the program is required from the School of Planning and from the Coordinator of Environmental Programs. Students complete all requirements for their Honours Major in addition to these required courses for the minor. Students may count the course ENVS 1000 towards both the BCD requirements and towards the requirement for the Minor. Other courses cannot be counted towards both sets of requirements.

Required Courses:

- ENVS 1000.06: Introduction to Environmental Studies (or DISP)
- PHIL 2480.03: Environmental Ethics
- ENVS 3200.03: Environmental Law
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II

Elective requirements:

12 credit hours of courses from the following list:

- BIOL 2605.03: Introduction to Marine Life of Nova Scotia
- BIOL 3601.03: Nature Conservation
- CHEM 2505.03: Environmental Chemistry I

- CHEM 4203.03: Environmental Chemistry II
- ECON 2216.03: Economics of Global Warming
- ECON 2336.03: Regional Development
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- ENVS 3000.03: Environmental Science Internship
- ENVS 3200.03: Introduction to Environmental Law
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3301.03: Enterprise Sustainability
- ENVS 3220.03: International Environmental Law for Scientists
- ENVS 3400.03: Environment and Human Health
- ENVS 3500.03: Exploring Geographic Information Systems
- ENVS 4001.03: Environmental Impact Assessment
- ESMP 2330.03: Nature Imagined
- ESMP 3000.06: The Study of Nature in Early Modern Europe
- EARTH 3302.03: Quaternary Sedimentary Deposits
- EARTH 3440/GEOG 3440: Geomorphology
- HIST 3370.03: North American Landscapes
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- OCEA 2001.03: The Blue Planet I
- OCEA 2002.03: The Blue Planet II
- OCEA 2800.03: Climate Change
- OCEA 3001.03: Introduction to Physical Oceanography
- OCEA 3002.03: Introduction to Chemical Oceanography
- PHIL 2485.03: Technology and the Environment
- POLI 3385.03: Politics of the Environment
- POLI 3589.03: Politics of the Sea I
- SOSA 2100.06: Environment and Culture
- SOSA 3211.03: Continuity and Change in Rural Society
- SOSA 3220.03: Coastal Communities in the North Atlantic
- SOSA 4072.03: Naturalistic Approaches to the Social Sciences
- STAT 3345.03: Environmental Risk Assessment

Minor in Esoteric and Occult Traditions

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Any 18 credit hours from the following courses, drawn from at least two different departments or programs, with at least 6 credit hours at the 3000 level:

- SOSA 3228.03: Belief Systems: Symbol, Myth and Meaning
- SOSA 2291X/Y.06: Goblins, Ghosts, Gods, Gurus
- CLAS 2027.03: Magic, Religion & Philosophy
- CLAS 3283/RELS 3283.03: Gods in the Flesh: Iamblichus and Anselm
- RELS 3012.03: Mystics of the Middle East
- CLAS 2026.03/RELS 2026.03: Paganism
- EMSP 2320.03/RELS 2420/GWST 2320.03: Witchcraft in Early Modern Europe
- EMSP 2313.03/CTMP 2313.03: The Vampire: Modernity and the Undead
- HSTC 2120.03/EMSP 2360/HIST 2990.03: Magic, Heresy and Hermeticism: Occult Mentalities in the Scientific Revolution
- HSTC 3121/EMSP 3321/HIST 3990.03: In Search of the Philosopher's Stone: The History of European Alchemy
- HSTC 3320.03: Oracles, Omens, and Astrology of the Ancient World

Minor in European Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- EURO 2101.03: Europe: Ideas, Culture and Society to 1900
- EURO 2102.03: Europe: Ideas, Culture and Society from 1900 to the present

- EURO 4512.03: European Studies Seminar
- plus 15 credit hours in courses approved for the European Studies major, including 6 credit hours in a second-year or above language and 3 credit hours in each of the Arts, Humanities and Social Sciences streams.

Minor in Film Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

From its inception, cinema has had a significant impact upon the way humans represent and understand the world around them. Whether created within an entertainment, experimental, documentary or scientific framework, moving images have altered modern perceptions of reality. The Film Studies Minor program - offered between Dalhousie, the Nova Scotia College of Art and Design (NSCAD), St. Mary's University (SMU), and the University of King's College - offers students an opportunity to become familiar with the history of film making, the language employed in the discourses of film, as well as the various methodologies and forms of categorization applied to related fields of study within film culture.

Courses within the core program survey the history of film from the late nineteenth century to the present day and introduce students to various aspects of film theory and criticism. Courses at the intermediate and advanced level provide opportunities to study specific genres, directors, national cinemas as well as interdisciplinary topics: narration and narrative in fiction and film, feminist film practices, music and film.

This is an inter-University program that allows students to obtain credit hours from any of the participating institutions.

Core Requirements

Students must complete nine credit hours of core courses, including:

- THEA 2301.03: Film History I or NSCAD AHIS 2800.03: Film History and Criticism 1890 - 1940
- THEA 3301.03: Film History II or NSCAD AHIS 2810.03: Film History and Criticism 1940 - Present
- THEA 2311.03: Film Analysis or SMU ENGL 2511.03: Reading Film

* Students are strongly advised to take the core courses as soon as they declare their film minor.

Elective Requirements

Students must complete 15 credit hours from the following list of courses, including at least nine credit hours at the 3000 level or above:

- CHIN 3050.03/THEA 3350.03: Topics in Asian Cinema
- CTMP 3304.03/GWST 3304.03/JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- CTMP 3305.03: Modern Film and the Theory of the Gaze
- ENGL 2095.03: Narrative in the Cinema
- ENGL 3300.03: TV: Theory and Criticism
- ENGL 3314.03/THEA 3314.03: Shakespeare and his Contemporaries on Film
- FREN 2800.03: Cinema: The French Phenomenon I
- FREN 2801.03: Cinema: The French Phenomenon II
- GERM 2040.03: Monsters and Madness in 20th Century German Film
- GWST 3304.03/CTMP 3304.03/JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- GWST 3331.03/THEA 3331.03: Film Theory II: Desire in Cinema
- ITAL 2600.03/THEA 2314.03: Survey of Italian Cinema
- ITAL 3500.03: Topics in Italian Culture: Italian Neorealist Cinema
- ITAL 3600.03: Italian National Cinema: The New Wave
- JOUR 3304.03/CTMP 3304.03/ GWST 3304.03: Through Her Eyes: Women and the Documentary Tradition
- MUSC 2016.03: Topics in Music and Cinema
- MUSC 2017.03: Music and Cinema: Composer/Director Collaborations
- RUSN 2036.03/THEA 2336.03: Russian Film I
- RUSN 2037.03/THEA 2337.03: Russian Film II
- RUSN 2046.03/THEA 2346.03: East European Cinema: War, Love, and Revolutions
- THEA 3314.03/ENGL 3314.03: Shakespeare and his Contemporaries on Film
- THEA 2314.03/ITAL 2600.03: Survey of Italian Cinema
- THEA 2336.03/RUSN 2036.03: Russian Film I
- THEA 2337.03/RUSN 2037.03: Russian Film II
- THEA 2346.03/RUSN 2046.03: East European Cinema: War, Love, and Revolutions
- THEA 2360.03: Popular Cinema
- THEA 2911.03: Stars and Stardom on Stage and Screen

- THEA 3313.03: Documentary, Experimental and Animated Film
- THEA 3330.03: Film Theory I
- THEA 3331.03/GWST 3331.03: Film Theory II: Desire in Cinema
- THEA 3350.03/CHIN 3050.03: Topics in Asian Cinema
- THEA 3351.03: The Cinema of David Lynch
- THEA 4390.03: Special Topics in Film studies
- THEA 4391.03: Special Topics in Popular Cinema
- NSCAD AHIS 3822.03: Topics in Film History: Hitchcock's Films
- NSCAD AHIS 3826.03: Topics in Film History: Film Noir and Neo-Noir
- NSCAD AHIS 3832.03: Topics in Film History: Canadian Cinema
- NSCAD AHIS 3835.03: Topics in Film History: Contemporary Cinemas of Globalization
- NSCAD AHIS 3836.03: Topics in Film History: Subjectivities in Moving Pictures
- NSCAD AHIS 3837.03: Topics in Film History: Out on Screen
- NSCAD AHIS 3850.03: History and Criticism of Documentary Film
- SMU ACST 3305.03: Moving Images of Atlantic Canada
- SMU ENGL 3313.06: Narrative in Fiction and Film
- SMU RELS 3356.03: Religions and Film
- SMU ENGL 3511.03: Film and the City
- SMU ENGL 2325.03: The Media in Everyday Life
- SMU ENGL 3826.03: Contemporary Canadian Film and Television
- SMU HIST SMU 3450.03: Film and History
- SMU SOSI 3346.03/CRIM 3303.03: Crime and the Media
- SMU SOSI 4452.03: Atlantic Canadian Film and Television

Minor in Food Bioscience

This minor is available to Bachelor of Science (Agriculture) students.

15 credit hours including:

- CHMA 3011.03: Food Chemistry I
- FOOD 4001.03: Food Quality: Safety
- MCRA 2000.03: Microbiology*
- MCRA 3000.03: Food Microbiology

And three credit hours chosen from the following:

- ANSC 3003.03: Eggs & Dairy Products
- ANSC 3004.03: Meat Science
- FOOD 3001.03: Functional Foods & Nutraceuticals
- FOOD 4000.03: Directed Studies in Food & Bioproduct Science (Conditional on approval by Department Head)**
- FOOD 4002.03: Advanced Food Chemistry**
- FOOD 4003.03: Impact of Food on Health
- FOOD 4004.03: Directed Studies in Nutriscience

* Students may not select courses which are required for their major. However, if MCRA 2000.03 is required in a student's major, an additional elective must be selected from the above list.

**Conditional on approval by Department Head

Minor in Food Science

This minor is available to students registered in a 120 credit hour Bachelor of Science program.

Requirements

The requirements are as for the appropriate program with the completion of the following courses to fulfill the Food Science Minor:

- FOSC 1000.03: Concepts in Food Science
- 24 credit hours from the following list:
 - ANSC 2004.03: Organic Livestock Production
 - BIOL 3226.03: Plants and Civilization

- CPST 1103.03/CPST 1203.03: Technical Communications
- CPST 3030.03: Engineering in Society II
- ENVE 4342.03: Industrial Biotechnology
- FOSC 2010.03: Food Commodities
- FOSC 3010.03: Food Chemistry
- FOSC 3020.03: Food Analysis
- FOSC 3030.03: Food Quality Assurance
- FOSC 3080.03: Food Microbiology
- FOSC 4020.03: Chemistry - Fats, Oils, Lipids
- FOSC 4030.03: Food Product Development
- FOSC 4070.03: Food Processing
- FOSC 4081.03: Brewing Science
- FOSC 4091.03: Food Safety and Biotechnology
- FOSC 4500.03: Seminar in Food Science
- FOSC 4250.03: Food Product Development Project
- HPRO 2250.03: Interdisciplinary Class in Human Nutrition
- Other electives as approved by the Food Science Coordinator

Minor in French

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in French is also available.

Intended to allow for a level of specialization in French in addition to students' major degree program(s).

Requirements

- 18 credit hours above the 1000 level to a maximum of 27 credit hours, including FREN 2045X/Y.06
- Among those 18 credit hours, six credit hours must be above the 2000 level
- Courses given in English and FREN 2005X/Y.06 are not admissible

Exclusion

- Cannot be combined with the major in French.

Minor in French: Linguistics and Translation

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 18 credit hours beyond the 1000-level, including:

- FREN 2020.03: Introduction à la linguistique/Introduction to Linguistics OR FREN 2075.03: Introduction to Linguistics
- and any 15 credit hours from the following:
 - FREN 3017.03: Linguistique différentielle/Differential Linguistics
 - FREN 3021.03: Syntaxe/Syntax
 - FREN 3022.03: Sémantique/Semantics
 - FREN 3026.03: Le français québécois/Québec French
 - FREN 4011.03: Lexicologie/Lexicology
 - FREN 4013.03: Pragmatique/Pragmatics
 - FREN 4014.03: Langue et société/ Language and Society
 - FREN 4017.03: Traduction générale/General Translation

Minor in French Literature and Culture

This minor is available to Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science and Bachelor of Management students.

A minimum of 18 credit hours beyond the 1000-level, including

- FREN 2201.03: Introduction to French Literature and
- FREN 2202.03: Introduction to French Literature

And any three credit hours from: **Medieval/Early Modern Literature and Culture**

- FREN 3225.03: Letter Writing in French Literature
- FREN 3300.03: Medieval French Literature
- FREN 3400.03: 16th Century French Literature
- FREN 3500.03: 17th Century French Literature
- FREN 3600.03: 18th Century French Literature
- FREN 4300.03: Courtly Novels
- FREN 4301.03: Courtly Poetry
- FREN 4401.03: Philosophical, Political and Moral Thought of the Renaissance
- FREN 4500.03: The Intellectual Adventure of the 17th Century France
- FREN 4550.03: Literary Women of French Classicism
- FREN 4600.03: The Enlightenment: Form and Philosophy

And any three credit hours from: **Modern/Contemporary Literature and Culture**

- FREN 3101.03: French Culture and Civilization
- FREN 3250.03: French Women Writers
- FREN 3700.03: 19th Century French Literature
- FREN 3730.03: The Franco-Belgian Comic Strip
- FREN 3750.03: Popular Literature and the Rise of Mass Culture
- FREN 3800.03: French Theatre and Poetry of the 20th Century
- FREN 3810.03: 20th Century Prose and Literary Theory
- FREN 4700.03: The Romantic Revolution
- FREN 4701.03: The 19th Century Novel
- FREN 4710.03: From Symbolism to Surrealism
- FREN 4801.03: Anti-novels of the 20th Century

And any three credit hours from: **Canadian and International Francophonie**

- FREN 3150.03: Aspects of the Francophone World
- FREN 3203.03: Approaches to Literary Texts
- FREN 3811.03: Introduction to Africa and Caribbean Francophone Literature
- FREN 3900.03: French-Canadian Literature
- FREN 3910.03: Acadian Studies
- FREN 4811.03: Francophone Poetry from Perse and Char to Senghor and Césaire
- FREN 4902.03: Contemporary Quebec Writers
- FREN 4903.03: Contemporary Quebec Writers
- FREN 4904.03: Quebec Women Writers

And any three credit hours from any of the courses listed above or FREN 2021.03/FREN 2022.03 (strongly recommended for students not taking FREN 2045XY.06).

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Gender and Women's Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Gender and Women's Studies is also available.

Requirements

- 18 credit hours to a maximum of 27 credit hours beyond the 1000 level in Gender and Women's Studies
- At least three different disciplines shall be represented in a student's selection of cross-listed Gender and Women's Studies courses

Minor in Genetics and Molecular Biology

This minor is available to Bachelor of Science (Agriculture) students.

18 credit hours including:

- BIOA 2000.03: Cell Biology
- GENE 2000.03: Genetics
- GENE 3000.03: Introduction to Molecular Genetics

Nine credit hours selected from the following:

- ANSC 3000.03: Animal Breeding
- GENE 3001.03: Population & Quantitative Genetics
- GENE 4000.03: Molecular Applications to Animal Production
- GENE 4003.03: Biotechnology
- GENE 4004.03: Lab Techniques in Genomics
- PLSC 4000.03: Plant Breeding
- RESM 4XXX: Project Seminar I&II can together count as one course toward the minor if the research project is conducted within the field of genetics and molecular biology.

Students are encouraged to select courses that can count toward this minor as well as toward their major.

Minor in Geography

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Community Design (Hons), Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

To fulfill the requirements for a Minor in Geography, students must complete 24 credit hours, including the following:

- GEOG 1030.03/ERTH 1030.03: Introduction to Physical Geography
- GEOG 1035.03: Introduction to Human Geography
- GEOG 2000.03: Cartography

Additional 15 credit hours from the following list: at least 6 of which must be at the 3000 level or higher.

- GEOG 2001.03/PLAN 2001.03: Landscape analysis
- GEOG 2006.03/PLAN 2006.03: Space, Place, and Geographic Information Systems
- GEOG 2070.03/PLAN 2070.03: Area Studies on Mexico and Central America
- GEOG 2100X/Y.06.SOSA 2100.06: Environment and Culture
- GEOG 2201.03/INTD 2001.03: Introduction to Development
- GEOG 2202.03/INTD 2002.03: Introduction to Development II
- GEOG 2206.03/INTD 2106.03: Africa: An Introduction
- GEOG 2336.03/ECON 2336.03: Regional Development
- GEOG 2800.03/PHYC 2800.03: Climate Change
- GEOG 3001.03/PLAN 3001.03: Landscape Ecology
- GEOG 3002.03/PLAN 3002.03: Reading the City
- GEOG 3005.03/PLAN 3005.03: Cities and the Environment
- GEOG 3006.03/PLAN 3006.03: Reading the Landscape
- GEOG 3110.03/INTD 3110.03: Migration and Development
- GEOG 3114.03/INTD 3114.03: Environment and Development
- GEOG 3165.03/SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- GEOG 3210.03/HIST 3210.03/CANA 3020.03: Canadian Cultural Landscapes
- GEOG 3220.03/SOSA 3220.03: Coastal Communities in the North Atlantic
- GEOG 3284.03/SOSA 3284.03: Living in cities
- GEOG 3370.03/HIST 3370.03: North American Landscapes
- GEOG 3400.03/ENVS 3400.03: Human Health and Sustainability

- GEOG 3440.03/ERTH 3440.03: Geomorphology
- GEOG 3500.03/ERTH 3500.03/ENVS 3500.03/ERTH 5600.03: Exploring Geographic Information Systems
- GEOG 3633.03/ENVS 3633.03/BIOL 3633.03: Spatial Information and GIS in Ecology
- GEOG 4440.03/ERTH 4440.03: Geomorphology and Landscape Evolution
- GEOG 4450.03/ERTH 4450.03: Introduction to Landscape Simulation
- GEOG 4520.03/ERTH 4520.03: GIS Applications to Environmental and Geological Sciences
- GEOG 4530.03/ERTH 4530.03: Environmental Remote Sensing

NOTE: Students in the BCD program may not select PLAN cross-listed courses that are required courses for their degree program

Minor in German

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in German is also available.

Students must complete between 18 and 27 credit hours selected from courses taught in German beyond the 1000 level, at least 6 credit hours of which must be at the 3000 level or higher.

Minor in German Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete between 18 and 27 credit hours beyond the 1000 level from the following list:

- GERM 2290.03: German: Romanticism: From Goethe to Hegel
- GERM 2450.06: Kant and the History of German Idealism
- GERM 2551.03: In Pursuit of Freedom from Luther to Nietzsche II
- GERM 2600.03: 'Freiheit'. Freedom in German Literature and Thought I
- GERM 2601.03: 'Freiheit'. Freedom in German Literature and Thought II. 19th and 20th Century
- GERM 2650.06: Modern German Philosophy
- GERM 3100.06: German Literature and Thought from Reformation to Enlightenment
- GERM 3120.03: Origins of Comparative Religion from Hegel to Nietzsche
- GERM 3450.03: Confronting Fascism
- GERM 3550.03: Germany and the Environment
- GERM 4100.06: Aesthetic Theory
- GERM 4200.06: Seminar on Hegel's Phenomenology of Spirit
- GERM 4250.06: Studies in German Idealism
- PHIL 2650.06: Modern German Philosophy
- PHIL 3630.03: History of Philosophy: Kant
- PHIL 3635.03: History of Philosophy: 19th Century Philosophy
- PHIL 4190.03: Topics in the History of Philosophy I: Wittgenstein

Other courses may be possible with departmental approval. Students must take nine credit hours from the German Department and nine credit hours from the Philosophy department.

Minor in German Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete 24 credit hours beyond the 1000 level.

Requirement

- GERM 2000.06

Minor in Health Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts or Bachelor of Science program.

The requirements are as for appropriate degree program including 24 credit hours as described in Health Studies. To count towards the minor, a minimum grade of B- is required.

Required Courses

Students must complete 24 credit hours above the 1000 level from the list of approved elective courses noted below. A minimum of "B-" in these approved elective courses above the 1000 level earns credit toward the Minor.

Elective Requirements

24 credit hours from the approved list below, all above the 1000 level, and 12 credit hours above the 2000 level. These credit hours must include courses from at least two of the following disciplines: Humanities, Social Sciences, Physical/Life Sciences, Engineering, Health Professions. Not all of these courses are offered every year. Some courses require prerequisites.

- ENGL 2030.03: Literature, Health and Healing
- HIST 3108.03: Topics in the Social and Cultural History of England: Madness and Marginality
- INTD 3115.03: Global Health: Challenges of Global Health Equity in the 21st Century
- PHIL 2805.03: Ethics and Health Care: Patient Care
- PHIL 2810.03: Ethics and Health Care: Social Policy
- PHIL 4801.03: Topics in Ethics and Health Care
- SOSA 2400.06: Health and Illness Across Cultures
- SOSA 2501.06: Sociology of Health and Illness
- SOSA 2502.03: Biomedicine and the Illness Experience
- SOSA 2503.03: Health and Society
- SOSA 2933.03: Health and Culture
- SOSA 2966.03: Health and Illness through Culture and Space
- SOSA 3135.03: The Social Organization of Health Care
- SOSA 3141.03: Sociology of Mental Disorders
- SOSA 3143.03: Health, Illness and the World
- SOSA 3145.03: Gender and Health (cross-listed with GWST 3145.03)
- SOSA 3147.03: Social Gerontology
- SOSA 3148.03: The Sociology of Addiction
- SOSA 3150.03: Sociology and Anthropology of the Body (cross-listed with GWST 3150.03)
- SOSA 3231.03: Psychological Anthropology
- SOSA 3245.03: Women and Aging, (cross-listed with GWST 3810.03)
- SOSA 4006.03: Issues in Health and Illness

Faculty of Science

- BIOL 3060.03: Environmental Geology
- BIOL 3061.03: Communities and Ecosystems
- BIOL 3062.03: Behavioural Ecology
- BIOL 3503.06: Introduction to the History of Science
- BIOL 3601.03: Nature Conservation
- BIOL 4001.03: Environmental Impact Assessment
- BIOL 4160.03: Political Ecology
- CHEM 1410.03: Intro to Chemistry Related to Human Health
- ECON 2231.03: Health Economics
- ENVS 3400.03: Environmental & Ecosystem Health
- PSYO 1011.03, PSYO 1012.03, PSYO 1021.03 or PSYO 1022.03: Introduction to Psychology
- PSYO 2080.03: Social Psychology
- PSYO 2090.03: Developmental Psychology
- PSYO 2220.03: Abnormal Behaviour
- PSYO 3129.03: Childhood Psychopathology
- PSYO 3170.03: Hormones and Behaviour
- PSYO 3180.03: Psychoneuroimmunology
- PSYO 3220.03: Clinical Psychology

- PSYO 3224.03: Forensic Psychology
- PSYO 3225.03: Health Psychology
- PSYO 3237.03: Drugs and Behaviour
- PSYO 3260.03: Biological Rhythms
- PSYO 3264.03: The Science of Sleep
- PSYO 3280.03: Personality
- STAT 1060.03: Intro to Stats for Science and Health Sciences (cross-listed with MATH 1060.03)

University of King's College

- CTMP 2301.03: Pain
- CTMP 2330.03: Reflections on Death
- CTMP 3210.03: Intersecting Bodies, Selves, and Environments
- EMSP 3310.03: Hidden Worlds: Microscopy in Early Modern Europe (cross-listed with HSTC 3310.03)
- HSTC 2200.06: Introduction to the History of Science (cross-listed with HIST 2074.06 and BIOL 3503.06)
- HSTC 2202.03: The Beginnings of Western Medicine: Birth of the Body
- HSTC 2206.03: Bio-Politics

Note: All University of King's College courses are open to Dalhousie students.

Faculty of Engineering

- FOSC 3010.03: Food Chemistry
- FOSC 3020.03: Food Analysis
- FOSC 3070.03: Food Processing
- FOSC 3080.03: Food Microbiology
- FOSC 4030.03: Food Product Development

Faculty of Health Professions

- DISM 3010.03: Intro to Occupational Disability Management
- DISM 3030.03: Understanding Occupational Injury and Disability
- HAHP 1000.03: Introduction to Health Promotion
- HAHP 1100.03: Personal Health
- HAHP 2000.03: Human Growth and Development
- HAHP 3000.03: Community Development
- HESA 4000.03: Canadian Health Care Delivery System
- HESA 4001.03: Management Roles and Competencies
- HESA 4002.03: Health Human Resource Management
- HESA 4004.03: Health Care Planning
- HESA 4005.03: Health Care Financial Management
- HLTH 4040.03: Health Law for Non-Laywers
- HPRO 1195.03: Introduction to Health Promotion
- HPRO 2110.03: Health Promotion Theory
- HPRO 2120.03: Health Promotion Policy
- HPRO 2250.03: Human Nutrition
- HPRO 2255.03: Drugs & Drug Education
- HPRO 2361.03: Program Planning
- HPRO 3325.03: Mental Health Promotion
- HPRO 3335.03: Introduction to Disease Prevention
- HPRO 3345.03: Epidemiological Approach to Disease
- HPRO 3351.03: Injury Prevention and Safety Education
- HPRO 3360.03: Multicultural Health Promotion Research & Policy
- HPRO 3370.03: International Health Promotion Research & Policy
- HPRO 3397.03: Community Health Promotion Strategies
- HPRO 4365.03: Health: A Biopsychosocial Approach
- HPRO 4412.03: Human Sexuality
- HPRO 4422.03: Environmental Health
- HPRO 4450.03: Comprehensive School Health Promotion
- HSCE 2000.03: Health Care Ethics
- HSCE 3000.03: Culture, Diversity, and Health
- HSCE 4030.03: Leadership in Health Care
- IPHE 2201.03: Introduction to Aboriginal People's Health and Healing
- KINE 3200.03: Sociocultural Issues in Physical Activity

- LEIS 2127.03: Leisure Theory
- LEIS 2130.03: Therapeutic Recreation
- LEIS 2384.03: Leisure and Individuals with Disabilities
- LEIS 3296.03: Leadership and Group Dynamics
- LEIS 3360.03: Analysis of Leisure Service Delivery Settings
- LEIS 3492.03: Counselling for Health and Well-being
- OCCU 2000.03: Occupation and Daily Life

Faculty of Medicine

- ANAT 1020.03: Basic Human Anatomy
- ANAT 5555.03: Embodying the Body
- PHYL 2030.06: Human Physiology

Faculty of Computer Science

- CSCI 1204.03: Computer Science I for Health Professionals

* Courses marked with an asterisk are at the 1000 level and will not count towards the Minor. Students may nevertheless wish to consider taking courses from this group because of their health content.

Minor in Hispanic Cultures

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students must complete between 18 and 27 credit hours including:

- SPAN 2100.03
- SPAN 2200.03

And any 12 credit hours from:

- SPAN 2040.03
- SPAN 2069.03
- SPAN 2070.03
- SPAN 2105.03
- SPAN 2109.03
- SPAN 2110.03
- SPAN 2130.03
- SPAN 2150.03
- SPAN 3095.03

Minor in Hispanic Literature

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

A minimum 21 to a maximum 27 credit hours in Spanish. Must include:

- SPAN 2020X/Y.06 Intermediate Spanish or equivalent
- SPAN 2090.03: Introduction to Hispanic Literary Study
- SPAN 3505.03: Introduction to Spanish Literature
- SPAN 3515.03: Introduction to Latin American Literature
- SPAN 3215.03: Seminario de literatura latinoamericana or SPAN 3510.03: Literatura hispanoamericana contemporanea
- SPAN 3500.03: Literatura espanola contemporanea or SPAN 3525.03: Historia e historias: la literatura como alternativa

Minor in History

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in History is also available.

- At least 18 credit hours in History, beyond the 1000 level.
- At least 12 of these credit hours must be above the 2000 level.

Minor in History of Science and Technology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

The course requirements for the Minor in HOST are as follows, including a minimum of 18 to a maximum of 27 credit hours:

Six credit hours selected from the following courses:

- HSTC 2000.06: Ancient and Medieval Science
- HSTC 2200.06/SCIE 2000.06/HIST 2074.06/BIOL 3503.06: Introduction to the History of Science
- HSTC 3000.06: The Scientific Revolution
- HSTC 4000.06: Science and Nature in the Modern Period

Any other 12 credit hours selected from HSTC courses (or cross listed with HSTC courses) numbered 2000 or above.

Minor in Indigenous Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students are required to complete six credit hours of core courses:

- CANA 2050.03/HIST 2205.03 Historical Issues in Indigenous Studies
- CANA 2051.03 Contemporary Issues in Indigenous Studies

Select 12 credit hours from the following list:

Faculty of Arts and Social Sciences

- HIST 2207.03/CANA 2207.03: Aboriginals and Empires – Canada's Origins to 1763
- HIST 3210.03: Canadian Cultural Landscapes
- HIST 4255.03: Justice, Freedom and the State in Twentieth-Century Canada
- MUSC 2022 X/Y.06: The Art and Science of Drumming
- PHIL 4700.03: Philosophy of Race
- SOSA 2111.03/CANA 2111.03: Is There an Atlantic Canada?

- SOSA 3002.03: Native Peoples of Canada
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America

Faculty of Health Professions

- IPHE 2201.03: Introduction to Aboriginal Peoples' Health and Healing
- HPRO 3360.03: Multicultural Health Promotion Research and Strategy

Other Faculty of Arts and Social Sciences Courses To Be Included at the Discretion of the Coordinator and Instructor *

- PHIL 2450.03: Democracy, Difference and Citizenship
- SOSA 3190.03: Social Movements
- SOSA 3183.03: Special Topics
- SOSA 3206.03: Ethnicity, Nationalism, and Race
- SOSA 4012.03: Issues in Sociology and Social Anthropology
- SOSA 4005.03: Issues in Social Justice and Inequality
- SOSA 4006.03: Issues in Critical Health Studies

[*These courses are offered regularly, but depending on the instructor in any given year, may or may not have sufficient amounts of content relevant to Indigenous Studies to be counted toward the minor.]

Courses at NSCAD, MSVU and SMU that can be taken on a letter of permission and counted toward the minor, at the discretion of the coordinator.

NSCAD

- AHIS 2505.03: Survey of Indigenous Art
- AHIS 3460.03: Contemporary Indigenous Art
- AHIS 3463.03: Exhibiting Indigenous Art
- AHIS 4119.03: Indigenous Self/Representation

MSVU

- HIST 3304.03: Gender and Aboriginal Peoples in Canada

SMU

- HIST/SOCI 4570 - Indigenous Politics and Settler Colonialism
- SMU ACS 2345 - First Nations of the Atlantic Region

Minor in Informatics

This minor is available to non-Computer Science students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, or Bachelor of Management program.

The requirements are as for the appropriate program with the completion of the following courses:

- INFX 2691.03
- 15 additional INFX/CSCI credit hours at the 2000+ level (Excluding CSCI 2100.03 and

CSCI 3101.03)

Up to three credit hours may be informatics courses offered by other faculties provided approval is given from the Faculty of Computer Science.

Minor in International Development Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in International Development Studies is also available.

Required:

A minimum of 18 to a maximum of 27 credit hours in IDS courses are required and must include:

- INTD 2001.03: Intro to Development I
- INTD 2002.03: Intro to Development II
- INTD 3002.03: Development Practice or INTD 3003.03: Development and Activism: Methods of Organization, Manifestation and Dissent
- six credit hours of INTD and/or IDS approved courses at the 2000 level or above.
- three credit hours at the 3000 level or above.

Minor in International Rural Development

This minor is available to Bachelor of Science (Agriculture) students.

Required:

- IAGR 3002.03: International Rural Development (H)
- plus 12 credit hours of additional courses approved by the Department of Business and Social Sciences Department Chair

Minor in Italian Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 18 to a maximum of 27 credit hours in Italian Studies above the 1000 level, including:

- ITAL 2010.06: Intermediate Italian
- At least one of:
 - ITAL 3010.06: Advanced Italian
 - ITAL 3200.03: Modern Italian Literature
 - ITAL 3300.03: 20th Century Italian Literature
 - ITAL 3500.03: Topics in Italian Culture
 - ITAL 3600.03: Italian National Cinema
 - ITAL 3700.03: Topics in Italian Drama and Spectacle
 - ITAL 4010.03: Advanced Composition
 - ITAL 4020.03: General Translation
 - ITAL 4040.03: Dante's Inferno

Minor in Journalism Studies

Faculty of Arts and Social Sciences

Minimum requirement of 24 credit hours in Journalism which must include:

Core Requirements

- JOUR 1001.06: Foundations of Journalism

- JOUR 2000.03: Basic Reporting Techniques

Elective Requirements

Students must complete 15 credit hours in electives from the list below:

- JOUR 2004.03: Introduction to Radio
- JOUR 2400.03: Science and the Media
- JOUR 3003.03: Introduction to Video Reporting
- JOUR 3005.03: Broadcast Reporting
- JOUR 3122.03: Ethics of Journalism
- JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- JOUR 3333.03: News Media & the Courts in Canada
- JOUR 3440.03: Creative Non-fiction
- JOUR 3441.03: Advanced Creative Non-fiction
- JOUR 3540.03: Feature Writing
- JOUR 3542.03: Business Reporting for Journalists
- JOUR 3550.03: Copy Editing
- JOUR 3557.03: Intro to Online Journalism
- JOUR 3560.03: Great Journalists
- JOUR 3660.03: Photojournalism

Faculty of Science

Minimum requirement of 24 credit hours in Journalism which must include:

Core Requirements

- JOUR 1001.06: Foundations of Journalism
- JOUR 2000.03: Basic Reporting Techniques
- JOUR 2400.03: Science and the Media

Elective Requirements

Students must complete 12 credit hours in electives from the list below:

- JOUR 2004.03: Introduction to Radio
- JOUR 3003.03: Introduction to Video Reporting
- JOUR 3005.03: Broadcast Reporting
- JOUR 3122.03: Ethics of Journalism
- JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- JOUR 3333.03: News Media & the Courts in Canada
- JOUR 3440.03: Creative Non-fiction
- JOUR 3441.03: Advanced Creative Non-fiction
- JOUR 3540.03: Feature Writing
- JOUR 3542.03: Business Reporting for Journalists
- JOUR 3550.03: Copy Editing
- JOUR 3557.03: Intro to Online Journalism
- JOUR 3560.03: Great Journalists
- JOUR 3660.03: Photojournalism

Minor in Latin American Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Latin American Studies must complete a minimum of 24 to a maximum of 27 credit hours and is expected to complete SPAN 2020X/Y.06, plus 6 credit hours from list A and 12 credit hours from list B. At least 3 credit hours must be at the 3000 level or above.

List A: six credit hours/any two of the following:

- SPAN 2069.03: Mexico and Central America to 1979. From Conquest to Revolution
- SPAN 2070.03: Mexico and Central America: From Revolution to Drug Wars
- SPAN 2109.03: Cuba from Colonial Times to 1961
- SPAN 2110.03: Cuba in Revolution, 1961-the Present
- SPAN 2130.03: Latin American dictators: From Fact to Fiction
- SPAN 2200.03: Latin American Culture: From the Maya to the 21st Century
- SPAN 3515.03: Intro to Latin American Literature
- SPAN 3510.03: Literatura hispanoamericana contemporanea
- SPAN 3408.03: The Cuban Development Model

List B: 12 credit hours from the following:

- HIST 2381.03: Latin America
- HIST 2386.03: Colonial Latin America
- HIST 3390.03: Latin America: Revolution and Repression
- HIST 4300.03: Topics in Latin American History
- INTD 3302.03: Social Development in Cuba
- INTD 3303.03: The Political Economy of Cuba
- INTD 3304.03: Sustainable Development in Cuba
- INTD 3310.06: Cuban Culture and Society
- INTD 3401.03: Seminar in Development Studies
- POLI 3360.03: Politics in Latin America
- SOSA 3168.03/GWST 3168.03: Issues in Latin American Society

Minor in Law and Society

This minor is available to students registered in a 120 credit hour Bachelor of Arts and Bachelor of Science program.

The requirements are as for the appropriate degree program with completion of the following courses:

- LAWS 2500X/Y.06 (with a minimum grade of B-)

Plus 18 credit hours from the approved list below, including at least three credit hours from your choice of three different disciplines (e.g., history, philosophy, political science, sociology, contemporary studies, or international development studies). To count towards the Minor, courses must be passed with a minimum of B-.

- CTMP 3321.03: Representations of the Holocaust I
- CTMP 3322.03: Representations of the Holocaust II
- CTMP 4125.03: Hanna Hrendt: Terror, Politics, Thought
- HIST 2006.03: The Atlantic World 1450-1650
- HIST 2007.03: The Atlantic World 1650-1800
- HIST 2221.03: Rough Justice - to the 1890s
- HIST 2222.03: Rough Justice - 1890s to the Present
- HIST 2325.03: Application of Finite Element Method in Static and Dynamic Systems
- HIST 3226.03: Law and Justice in Canadian Society, to 1890
- HIST 3227.03: Criminal Law, Crime and Punishment, 1890 - present
- HIST 3501X/Y.06: Fascist and National Socialist Movements in Europe
- HIST 4004.03: Crime and Society in Post-Conquest England
- HIST 4255.03: Justice, Freedom and the State in 20th Century Canada
- INTD 2001.03: Intro to Development I
- INTD 2002.03: Introduction to Development II
- INTD 4006.03: Global Poverty and Human Rights
- PHIL 2020.03: Legal Thinking
- PHIL 2160.03/GWST 2500.03*: Philosophical Issues in Feminism
- PHIL 2450.03: Democracy, Difference and Citizenship
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2490.03: Social, Ethical and Professional Issues in Computer Science
- PHIL 3211.03: Philosophy of Law

- PHIL 4470.03: Contemporary Liberalism and Democracy
- POLI 2210.03: Unity and Diversity: Dynamics of Canadian Federalism
- POLI 2220.03: Political Power: Partisan Politics
- POLI 2350.03: Governance & Globalization
- POLI 2520.03: World Politics
- POLI 3206.03: Constitutional Issues in Canadian Politics
- POLI 3208.03: Canadian Provincial Policies
- POLI 3426.03/GWST 3426.03: Sex and the State**
- POLI 3428.03: Woman as Citizen
- POLI 3440.03: The Politics of Fear
- POLI 3505.03 Human Rights: Institutional Foundations
- POLI 3567.03: International Organization
- POLI 3581.03: Diplomacy and Negotiations
- POLI 3385.03: Politics of the Environment
- POLI 4303.03: Human Rights: Political Issues
- POLI 4403.03: Human Rights: Philosophical Issues
- POLI 4481.03: Theories of Violence, Persecution and Genocide
- SOSA 2040.06: Social Inequality
- SOSA 2180.06: Sociology of Crime and Criminal Justice
- SOSA 2181.03: Explaining Crime and Criminal Behavior
- SOSA 2182.03: Sociology of Criminal Justice
- SOSA 3185.03: Native Peoples in North America
- SOSA 3225.03: Culture, Rights, Power
- SOSA 3275.03: Crime and Public Policy
- SOSA 3281.03: Youth Crime
- SOSA 3285.03: Sociology of Law
- SOSA 3286.03: Sociology of Criminal Law
- SOSA 3295.03: Society and the Police

*fulfills the PHIL requirement even if taken as GWST 2500.03

**fulfills the POLI requirement even if taken as GWST 3426.03

Other Approved Electives

- COMM 2603.03: Legal Aspects of Business
- ENVS 3200.03: Environmental Law
- JOUR 3333.03: News Media and the Courts
- LAWS 2122.03/LAWS 2123.03: Canadian Legal History
- PSYO 3224.03: Forensic Psychology
- PSYO 4000.03: Senior Seminar (on a forensic topic)

Minor in Management

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Science, Bachelor of Computer Science, or Bachelor of Informatics program.

The requirements are as for the appropriate degree program, with the following credit hours:

- MGMT 1000.03 and MGMT 1001.03 (Managing Organizational Issues 1 and 2)
- ECON 1101.03 and ECON 1102.03 (Microeconomics and Macroeconomics)
- MGMT 1501.03 (Statistics for Managers)
- nine credit hours chosen from:
 - MGMT 2101.03 (Financial Accounting)
 - MGMT 2303.03 (People, Work and Organizations 1)
 - MGMT 2401.03 (Introduction to Marketing)
 - MGMT 2801.03 (Government Structure)
 - MGMT 2601.03 (Knowledge Management)
 - MGMT 2702.03 (Resource and Environmental Management)
- 12 credit hours at the 2000 level or above in MGMT.

Please note that some MGMT courses have additional prerequisite requirements.

Minor in Marine Biology

This minor is available to non-Biology/Marine Biology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Marine Biology (MARI) courses at the 2000 level or higher

Minor in Mathematics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

BA or BSc (90 credit hour) degree program with a Minor in Mathematics is also available.

Requirements

- MATH 1000.03: Differential and Integral Calculus I/MATH 1010.03: Differential and Integral Calculus II or MATH 1500.06X/Y: Calculus
- MATH 2001.03: Intermediate Calculus I
- MATH 2030.03: Matrix Theory and Linear Algebra I
- MATH 2120.03: Methods for Ordinary Differential equations
- nine additional credit hours of Math at or above the 2000 level

Bachelor of Science (Agriculture)

This minor is also available to **Bachelor of Science (Agriculture)** students.

15 credit hours including:

- MTHA 4000.03: Agricultural Modeling

12 credit hours courses approved by the Head of the Engineering Department selected from the following:

- MTHA 2000.03: Multivariable Calculus
- MTHA 2001.03: Differential Equations
- MTHA 3000.03: Applied Linear Algebra
- STAA 3000.03: Introduction to Planned Studies: Surveys & Experiments
- STAA 4000.03: Intermediate Statistical Methods
- CSCA 2000.03: Computer Science
- CSCA 3000.03: Data Structures & Numerical Methods
- ECOA 3000.03: Mathematical Economics
- ECOA 3003.03: Mathematical Programming
- ECOA 3006.03: Statistics for Economics & Business
- PHYS 1001.03: Physics for the Life Sciences II
- PHYS 1003.03: Physics II

Minor in Medieval Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students seeking an interdisciplinary minor in Medieval Studies will be expected to take a minimum of 24 to a maximum of 27 credit hours beyond the 1000 level, including six credit hours in a language course at or above the 2000 level, with at least 12 credit hours at or above the 3000 level, and with courses taken from at least two of the participating departments or programs.

Requirements

Language work - six credit hours in one of the following languages at or above the 2000 level: Arabic, Latin, Greek, French, German, Italian, or Spanish. Courses treating texts in translation do not count. For languages other than Latin and Greek, courses taught in English do not count.

And any 18 credit hours selected from the course list below; within these 18 credit hours, courses must be taken from at least two of the participating departments or programs.

- CLAS 2282.03: Catholicism
- CLAS 3381.03: Medieval Philosophy from Augustine to Anselm
- CLAS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- CLAS 3411.03: St. Augustine's *Confessions* Books 1-9
- CLAS 3412.03: St. Augustine's *Confessions* Books 10-13
- CLAS 3431.03: St. Augustine's *On the Trinity* Part 1
- CLAS 3432.03: St. Augustine's *On the Trinity* Part 2
- CLAS 3840X/Y.06: Latin Philosophical Texts
- CLAS 3841.03: Latin Philosophical Texts: Aquinas
- CLAS 3842.03: Latin Philosophical Texts: Anselm and Bonaventure
- CLAS 3910X/Y.06: Neoplatonism: Plato and Neoplatonism
- CLAS 4400X/Y.06: Philosophy of the Church Fathers
- CLAS 4450X/Y.06: Medieval Interpreters of Aristotle
- CLAS 4060.03: Boethius and *Prosimetrum*: Poetry and Prose in the Consolation of Philosophy
- ENGL 2018.03: Arthur
- ENGL 2020.03: Sampling Medieval Literature
- ENGL 3005.03: Canterbury Tales
- ENGL 3007.03: Old English
- ENGL 3203.03: History of the English Language
- ENGL 3008.03: Nordic Saga

Some 4000 level seminars may be counted where content is appropriate (eg Medieval Romance, Medieval Outlaws); check with advisor.

- FREN 3300.03: Medieval French Literature
- FREN 4001.03: Histoire du français - Moyen Age/History of French - The Middle Ages
- FREN 4300.03: Le Roman courtois/Courtly Novels
- FREN 4301.03: La Poesie courtoise/Courtly Poetry
- HIST 2001.03: Early Medieval Europe
- HIST 2002.03: Later Medieval Europe
- HIST 2101.03: Medieval England
- HIST 2153.03: Scotland from the Earliest Times to the Reformation
- HIST 2503.03: From Cordoba to Jakarta, Islamic Civilizations in a Global Perspective (700-1700)
- HIST 3002.03: The Medieval Church
- HIST 3003.03: Celtic Britain and Ireland to 1400
- HIST 3509.03: Caliphs and Khans, Islamic Civilization in the Abbasid and Mongol Age (750-1300)
- HIST 3511.03: Classical and Medieval History of the Persianate World
- HIST 4003.03: Medieval Civilization
- HIST 4004.03: Crime and Society in Post-Conquest England
- HIST 4545.03: Scripture and Statecraft: History of Islamic Political Thought
- HSTC 2000X/Y.06: Ancient and Medieval Science
- HSTC 2202.03: The Beginnings of Western Medicine: The Birth of the Body
- HSTC 3121.03: The Stone and the Elixir: History of Alchemy in the Latin West
- HSTC 3610.03: Studies in Ancient and Medieval Science (topics vary; check with advisor)
- MUSC 4283.03: Early Music Analysis
- MUSC 4358.03: Studies in Medieval Music (topics vary; check with advisor)
- MUSC 4359.03: Studies in Medieval Music (topics vary; check with advisor)
- RELS 4010.03: Islamic Philosophy: al-Ghazali
- RELS 4011.03: Jewish Philosophy: Maimonide

Minor in Microbiology and Immunology

This minor is available to non-Microbiology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

A minimum of 18 to a maximum of 36 credit hours in Microbiology and must include:

- MICI 2100.03: Introductory to Microbiology and Immunology
- A minimum of 15 additional credit hours in Microbiology courses at the 2000 level or higher

Please note that there are prerequisite requirements for entry into upper level Microbiology courses, including BIOL 2020.03 and BIOL 2030.03, CHEM 2401.03 and CHEM 2402.03 (or CHEM 2441.03).

Minor in Middle East Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students minoring in Middle East Studies select a minimum of 18 to a maximum of 27 credit hours from the list below. Student are required to take one of the following:

- HIST 2502.03: The Ottoman Empire
- HIST 2503.03/RELS 2503.03: Classical and Medieval History of Islamic Civilization
- HIST 2504.03: History of Modern Middle East
- RELS 2001.03: Judaism
- RELS 2003.03: Islam

At least three credit hours must be at the 3000 or 4000 level. Please note that not all courses are offered each year.

Second Year

- ARBC 2020X/Y.06: Intermediate Arabic
- ARBC 2100.03/HIST 2500.03/HIST 2500.03/RELS 2052.03: A Cultural Introduction to the Arab World
- RELS 2053.03/GWST 2053.03: Women and Islam
- CLAS 2100X/Y.06: Ancient Mythology
- CLAS 2216.03/HIST 2089.03: Alexander the Great
- CLAS 2220.03/HIST 2520.03/RELS 2220.03: Ancient Israel
- CLAS 2281.03/RELS 2281.03: The Orthodox and Oriental Churches
- CLAS 2900X/Y.06: Intermediate Hebrew
- HIST 2502.03: The Ottoman Empire
- HIST 2503.03/RELS 2503.03: Classical and Medieval History of Islamic Civilization
- HIST 2504.03: History of the Modern Middle East
- HIST 2505.03: Modern History of Iraq
- RELS 2001.03: Judaism
- RELS 2003.03: Islam

Third Year

- ARBC 3030.03: Advanced Arabic
- ARBC 3031.03: Advanced Arabic II (Readings)
- ARBC 3040.03: Arabic Philosophical Texts (al-Ghazali)
- ARBC 3050.03: Arabic Philosophical Texts (Maimonides)
- ARBC 3100.03: Arabic Pre Islamic Poetry
- CLAS 3016.03/HIST 3016.03/RELS 3018.03: Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03/HIST 3017.03/RELS 3019.03: Meetings between Hellenism, Judaism, Christianity and Islam
- CLAS 3021.03: Ancient Art and Architecture
- CLAS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- CLAS 3501.03: Herodotus
- CLAS 3502.03/HIST 3502.03: Thucydides and the Greek World at War
- HIST 3509.03/CLAS 3601.03: Arab Caliphs, Turkish Commanders, Persian Viziers, 750-1200
- HIST 3510.03/RELS 3510.03: Sultans and Shahs, 1500-1800
- HIST 3511.03/CLAS 3602.03: Ancient and Medieval History of the Persianate World
- HIST 3512.03: Modern History of Iran
- HIST 3513.03: From Cairo to Capetown
- HIST 3515.03: Food for Thought
- RELS 3001.03: Islam and Others
- RELS 3009.03: Christianity in the Lands of Islam

- RELS 3012.03: Mystics of the Middle East

Fourth Year

- CLAS 4011.03/RELS 4011.03: Jewish Philosophy: Maimonides
- CLAS 4018.03/RELS 4018.03: John of Damascus
- CLAS 4019.03/RELS 4019.03: Philo Judaeus
- CLAS 4525X/Y.06/HIST 4525X/Y.06: The World of Herodotus
- HIST 4510.03: Topics in Middle Eastern and Islamic History
- HIST 4545.03: Scripture and Statecraft: History of Islamic Political Thought
- HIST 4550.03: Orientalism and Occidentalism
- HIST 4555.03: Arab Intellectuals and their Ideologies in the Modern Period
- RELS 4010.03/CLAS 4010.03: Islamic Philosophy: al-Ghazali

Minor in Music

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Music is also available.

Students must complete a minimum of 18 to a maximum of 27 credit hours in Music beyond the 1000 level. The following courses may not be used to count toward this degree: MUSC 2007.06, MUSC 2022.06, MUSC 2130.06, MUSC 3130.06.

Minor in Musicology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete a minimum of 18 to a maximum of 27 credit hours in Musicology courses as follows:

- MUSC 2352.03: Music History III
- Six credit hours chosen from
 - MUSC 2016.03: Topics in Music and Cinema
 - MUSC 2018.03: Popular Music until 1960
 - MUSC 2019.03: The Rock 'n' Roll Era and Beyond
 - MUSC 2020.03: The History of Jazz
 - MUSC 2353.03: Music History IV: Focused Study
 - MUSC 3066.03: Women, Gender and Music
 - MUSC 3314.03: History of Opera
- Nine credit hours chosen from 4000 level Musicology seminars as listed below:
 - MUSC 3066.03: Women, Gender and Music
 - MUSC 3314.03: History of Opera
 - MUSC 4353.03: Music since 1945
 - MUSC 4354.03: Popular Music Analysis
 - MUSC 4355.03: Narrative Strategies
 - MUSC 4356.03: Opera Studies
 - MUSC 4358.03/MUSC 4359.03: Studies in Medieval Music
 - MUSC 4360.06: Advanced Seminar in Baroque Culture
 - MUSC 4361.03/MUSC 4365.03: Topics in Musicology I
 - MUSC 4362.03: Topics in Canadian Music
 - MUSC 4363.03/MUSC 4367.03: Topics in Musicology II
 - MUSC 4380.03/MUSC 4381.03: Selected Composer Studies

Minor in Neuroscience

This Minor is available to non-Neuroscience/Psychology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Neuroscience courses at the 2000 level or higher, other than NESC 2007.03 and PSYO 2501.03, which are available only to students in a Major/Honours program.

Minor in Ocean Sciences

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Ocean Sciences courses at the 2000 level or higher.

Please note that there are prerequisite requirements for entry into upper level Ocean Sciences courses (see Department of Oceanography course listings).

Minor in Pest Management

This minor is available to Bachelor of Science (Agriculture) students.

15 credit hours including:

- ENVA 3004.03: Principles of Pest Management
- MCRA 2000.03: Microbiology *

Nine credit hours from the following:

- BIOA 2005.03: Principles of Plant Pathology
- BIOA 3000.03: General Entomology
- BIOA 3002.03: Weed Science
- BIOA 4003.03: Plant-Microbe Interactions
- ENVA 4002.03: Economic Entomology
- ENVA 4003.03: Advanced Weed Science

* If MCRA 2000.03 is required in a student's major an additional elective must be selected from the list above.

Students may not select courses which are required for their major.

Students in the Plant Science major are required to take 12 credit hours of the courses listed above for their major, they will only be required to complete the additional 12 credit hours to be granted the Minor in Pest Management.

Students should see the academic advisor in the Environmental Science Department for selection of appropriate courses.

Minor in Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Philosophy is also available.

Requirements

A minimum of 18 to a maximum of 27 credit hours in Philosophy beyond the 1000 level, including at least 3 credit hours beyond the 2000 level.

Select at least three credit hours from the following:

- PHIL 2130.03: Logic: Deduction
- PHIL 2085.03: Reasoning Skills
- PHIL 2090.03: How to Win an Argument
- PHIL 2660.03: Logic: Understanding Scientific Reasoning

Minor in Physics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Physics is available to students in the Faculty of Science.

Departmental Requirements

1000 level

- PHYC 1190.03: Introduction to Physics/PHYC 1290.03: Introduction to Physics OR PHYC 1300.06: Physics in and Around You
- MATH 1000.03: Differential and Integral Calculus I
- MATH 1010.03: Differential and Integral Calculus II
- CHEM 1011.03: Concepts in Chemistry: Structure and Reactivity
- CHEM 1012.03: Concepts in Chemistry: Energy and Equilibrium
- OR Integrated Science Program

2000 level

- PHYC 2140.03: Physics Tools: Theory
- PHYC 2150.03: Physics Tools: Experiment
- PHYC 2510.03: Electricity and Magnetism
- PHYC 2515.03: Modern Physics
- MATH 2001.03: Intermediate Calculus I
- MATH 2002.03: Intermediate Calculus II

3000 and 4000 levels

- A minimum of 12 credit hours in PHYC courses at or above the 3000 level, which must include one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03

Minor in Plant Science

This minor is available to Bachelor of Science (Agriculture) students.

15 credit hours of approved Plant Science courses (see Plant Sciences section).

Students cannot select courses which are required for their major. Students should see the academic advisor in the Plant & Animal Science Department for more information.

Approved Plant Science Courses:

- AGRN 2000.03: Organic Field Crop Management
- AGRN 2001.03: Cereal-Based Cropping Systems
- AGRN 2002.03: Forage-Based Cropping Systems
- AGRN 2008.03: Potato Production
- HORT 2000.03: Vegetable Production
- HORT 2001.03: Principles of Organic Horticulture
- HORT 2003.03: The British Garden
- HORT 2004.03: Introduction to Viticulture

- HORT 2005.03: Design & Construction of Turf Facilities
- HORT 2006.03: Tree Fruit Crops
- HORT 2007.03: Small Fruit Crops
- HORT 2009.03: Landscape Plant Nursery Management
- HORT 2010.03: Greenhouse and Floriculture Crop Management
- HORT 3000.03: Environmental Processes and Natural Landscape Functions
- HORT 3001.03: Landscape Project Management
- HORT 3008.03: Horticultural Therapy
- HORT 4000.03: Urban Tree Management
- IAGR 3000.03: Tropical Agriculture
- PLSC 1000.03: Farm Woodlot Management
- PLSC 2000.03: Specialty Crops
- PLSC 3000.03: Theory and Practice of Plant Propagation
- PLSC 4000.03: Plant Breeding
- PLSC 4002.03: Plant Ecophysiology
- PLSC 4003.03: Problem Solving in Plant Science
- PLSC 4004.03: Root Physiology Underground Secrets
- SPEC 4010.03: Special Topics in Plant Science I
- SPEC 4011.03: Special Topics in Plant Science II

Minor in Political Science

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Political Science is also available.

A minimum of 18 to a maximum of 27 credit hours in Political Science at the 2000 level or above is required.

Minor in Popular Culture Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 21 to a maximum of 27 credit hours beyond the 1000 level, with six credit hours at or above the 3000 level, and with no more than nine credit hours taken in a single department. Appropriate courses can be chosen from the following list.

- 15 credit hours from:
 - CTMP 2336.03/CHIN 2052.03: East Meets West in Popular Culture
 - EMSP 2313.03/CTMP 2313.03: The Vampire
 - EMSP 2320.03/GWST 2320.03/RELS 2420.03: Witchcraft in Early Modern Europe
 - EMSP 2480.03/HIST 2750.03: The Pirate and Piracy
 - ENGL 2006.03: Cultural Studies
 - ENGL 2080.03: Cartoons & Comics
 - ENGL 2095.03: Narrative in the Cinema
 - ENGL 2231.03: Foundations of Science Fiction
 - ENGL 2232.03: Contemporary Science Fiction
 - ENGL 2235.03: Tolkien: Fantasy & Medievalism
 - HSTC 2500.03: Science Fiction in Film
 - MUSC 2016.03: Topics in Music and Cinema
 - MUSC 2018.03: Popular Music Until 1960
 - MUSC 2019.03: The Rock'n'Roll Era and Beyond
 - MUSC 2020.03: The History of Jazz
 - THEA 2360.03: Popular Cinema
- six credit hours from:
 - CTMP 3322.03: Representations of the Holocaust: Remembrance
 - CTMP 3305.03: Modern Film and the Theory of the Gaze
 - ENGL 3300.03: TV: Theory & Criticism
 - ENGL 3301.03: Graphic Novels
 - FREN 3750.03: Littérature industrielle, roman populaire et roman de consommation. - Popular Literature and the Rise of Mass Culture
 - FREN 3730.03: La bande dessinée franco-belge - The Franco-Belgian Comic Strip
 - JOUR 3560.03: Great Journalists
 - MUSC 4354.03: Popular Music Analysis
 - THEA 2400X/Y.06: Cave to Café: Costume and Identity from Antiquity to 1700

- THEA 2911.03: Stars and Stardom on Stage and Screen
- THEA 3912.03/GWST 3912.03: Gender Theory and Contemporary Performance
- THEA 4391.03: Special Topics in Popular Cinema

Minor in Psychology

This Minor is available to non-Neuroscience/Psychology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Psychology is also available.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Psychology courses at the 2000 level or higher, other than PSYO 2000.03 and PSYO 2501.03, which are restricted to students in a Major/Honours program

Please note that entry into upper level Psychology (PSYO) courses requires completion of six credit hours with a minimum grade of B- at the first year level (PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03), or Integrated Science Program (SCIE 1505.18 or SCIE 1515.36 or SCIE 1520.30 or SCIE 1540.27), or equivalent.

Minor in Russian Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Russian Studies is also available.

Students must complete a minimum of 18 to a maximum of 27 credit hours above the 1000 level.

Nine credit hours in Russian language, chosen from:

- RUSN 2002.03: Intermediate Russian I
- RUSN 2003.03: Intermediate Russian II
- RUSN 3002.03: Advanced Russian I
- RUSN 3003.03: Advanced Russian II
- RUSN 4000.06: The Structure of Contemporary Standard Russian

AND

- RUSN 2022.03: Imperial Russia or RUSN 2023.03: Soviet Russia
- RUSN 2051.03: Survey of Russian Literature or RUSN 2052.03: Survey of Russian Literature

AND

three more credit hours in Russian film, literature, or history above the 1000 level chosen from:

- RUSN 2036.03: Russian Film I
- RUSN 2037.03: Russian Film II
- RUSN 2046.03: East European Cinema: War, Love, and Revolutions
- RUSN 2061.03: Russian Modernism
- RUSN 2062.03: Literature of Revolution - The 1920s in Russian Literature
- RUSN 2070.03: Russian Literature and Culture since Stalin's Death
- RUSN 2081.03: Contemporary Russian Culture - The Seven Deadly Sins
- RUSN 2151.03: Introduction to Russian Folklore
- RUSN 2191.03: Survey of Russian Theatre
- RUSN 2270.03: The Russian "Heroine"
- RUSN 2500.03: Tolstoy
- RUSN 2750.03: Dostoevsky and Russian Idea
- RUSN 2760.03: Dostoevsky and Western Literature
- RUSN 3090.03: Russian Society Today

- RUSN 3092.03: Russian Topics
- RUSN 3099.03: Solzhenitsyn Seminar
- RUSN 3102.03: Black Identity in Pushkin (Russian)
- RUSN 3103.03: Black Identity in Pushkin (English)
- RUSN 3121.03: 19th Century Russian Prose and Poetry
- RUSN 3122.03: 20th Century Russian Prose and Poetry
- RUSN 3330.03: Masterpieces of Russian Short Fiction
- RUSN 3520.03: Chekhov and Turgenev
- RUSN 3800.03: Gogol and His Tradition
- RUSN 3820.03: Nabokov

Minor in Security Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students need 18 credit hours, 6 hours of which must be drawn from list A. The remaining 12 credit hours must be chosen from list B. Credits must come from at least 2 different departments or programs.

LIST A

- POLI 3565.03: Contemporary Security Studies

POLI 3576.03: Defence Policy in Canada

POLI 3596.03: Explaining Global Conflict and Violence

SOSA 2181.03: Explaining Crime and Criminal Behavior

SOSA 3120.03: Social Conflict

SOSA 3283.03: Globalized Security and Justice: the Challenge of Global Crime and Terrorism

INTD 4013.03: Environmental Conflict and Security

INTD 4006.03: Global Poverty and Human Rights

HIST 2055.03: War and Society since 1945

HIST 2340.03: The Cold War

CTMP 2101.03: Apocalypse: The Revolutionary Transformation of Politics and Culture

CTMP 2203.03: Bio-Politics: Human Nature in Contemporary Thought.

LIST B:

- POLI 2520.03: World Politics

POLI 2530.03: Foreign Policy in Theory and Practice

POLI 3440.03: The Politics of Fear

POLI 3560.03: Human Development/Security at the Start of the Twenty-first Century

POLI 3565.03: Contemporary Security Studies

POLI 3576.03: Defence Policy in Canada

POLI 3577.03: Civil-Military Relations in Contemporary Western Society

POLI 3591.03: Pirates, Profiteers and Protectors of the Sea

POLI 3596.03: Explaining Global Conflict and Violence

POLI 4481.03: Theories of Violence, Persecution, Genocide

POLI 4521.03: Theories of International Relations I: Security Studies

SOSA 2181.03: Explaining Crime and Criminal Behavior

SOSA 2400X/Y.06: Health and Illness Across Cultures

SOSA 3120.03: Social Conflict

SOSA 3148.03: The Sociology of Addiction: Drugs, Health and Society

SOSA 3206.03: Ethnicity, Nationalism and Race

SOSA 3215.03: Migration and Identity

SOSA 3275.03: Crime and Public Policy

SOSA 3281.03: Youth Crime

SOSA 3283.03: Globalized Security and Justice: the Challenge of Global Crime and Terrorism

SOSA 3295.03: Society and the Police

SOSA 4205.03: Moral Panics as a Social Phenomenon

CTMP 2101.03: Apocalypse: The Revolutionary Transformation of Politics and Culture

CTMP 2203.03: Bio-Politics: Human Nature in Contemporary Thought

CTMP 3321.03: Representations of the Holocaust: Bearing Witness

CTMP 3322.03: Representations of the Holocaust : Remembrance

CTMP 4125.03: Hannah Arendt: Terror, Politics, Thought

HIST 2015.03: War and Society in Early Modern Europe, 1550-1750

HIST 2055.03: War and Society since 1945

HIST 2340.03: The Cold War

HIST 2504.03: Hist of Mdrn M. East 20th Century

HIST 2712.03: Freedom Fighters or Terrorists? Revolution, Nationalism and Anti-Imperialism in the 20th Century

HIST 2750.03: The Pirate and Piracy

HIST 3045.03: The French Revolution

HIST 3049.03: The First World War

HIST 3050.03: Europe and World War II

HIST 3053.03: Fascist & Nat. Socialist Europe

HIST 3055.06: The Holocaust

HIST 3056.03: The Holocaust

HIST 3373.03: Spying on the World: The CIA in American History

HIST 3335.03: The Cold War

HIST 3341.03: Rev. Amer. 1760-1820

HIST 3365.03: The Vietnam War

HIST 3373.03: The Cuban Missile Crisis

HIST 3452.03: South Africa since 1860

HIST 3470.03: Wars/Revolt 19th C. Africa

HIST 3471.03: Wars and Revol. 20th Cent Africa

HIST 3512.03: Modern History of Iran

HIST 4004.03: Crime and Society in Post-Conquest England

HIST 4401.03: State Violence, Communal Conflict and Criminality in Modern South Africa

HIST 4404.03: Crime and Punishment in Modern Africa

HIST 4987.03: The Historiography of American Foreign Relations, 1776-1945

HIST 4639.03: Britain, Appeasement, and the Origins of the Second World War

HIST 4988.03: The Historiography of American Foreign Relations Post-1945

INTD 4006.03: Global Poverty and Human Rights

INTD 4013.03: Environmental Conflict and Security

Minor in Sociology and Social Anthropology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Sociology and Social Anthropology is also available.

Requirements

A minimum of 18 to a maximum of 27 Sociology and Social Anthropology courses at the 2000 level or higher must include:

- SOSA 2001.06: Ethnography in a Global Context or SOSA 2002.06: The Sociological Perspective: Thinking and Doing Sociology
- 6 additional credit hours at the 2000 level
- 6 credit hours SOSA at the 3000 level

Minor in Sociology and Social Anthropology of Critical Health Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2401.06: Food and Eating Across Cultures
- SOSA 2400.06: Health and Illness Across Cultures
- SOSA 2502.03: Biomedicine and the Illness Experience
- SOSA 2501.06: Sociology of Health and Illness
- SOSA 2503.03: Health and Society
- SOSA 3135.03: The Social Organization of Health Care
- SOSA 3143.03: Health, Illness and the World System
- SOSA 3145.03: Gender and Health
- SOSA 3147.03: Social Gerontology
- SOSA 3148.03: Drugs, Health and Society
- SOSA 3149.03: Childhood in Cross Cultural Perspective
- SOSA 3150.03: Sociology and Anthropology of the Body
- SOSA 3245.03: Women and Aging
- SOSA 3250.03: Beyond Genes and Circuits: The Anthropology and Sociology of Technoscience

Minor in Sociology and Social Anthropology of Economy, Work and Development

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2111.03: Is there an Atlantic Canada?
- SOSA 2140.03: Going Global; Geography, Economy, and Work in the 21st Century
- SOSA 2141.03: Good Jobs, Bad Jobs
- SOSA 2270.03: Introduction to Popular Culture
- SOSA 2271.03: Popular Culture in a Global Context
- SOSA 2401.06: Food and Eating Across Cultures
- SOSA 3005.03: Knowledge, Work and Culture in the Contemporary World
- SOSA 3006.03: Comparative Perspectives on Gender and Work
- SOSA 3014.03: Rethinking Culture and Class
- SOSA 3060.03: Social Change and Development
- SOSA 3096.03: Introduction to Demography
- SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- SOSA 3168.03: Issues in Latin American Society
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3200.03: Environmental Anthropology
- SOSA 3211.03: Continuity and Change in Rural Societies
- SOSA 3214.03: Living in a Globalized World
- SOSA 3215.03: Migration and Identity
- SOSA 3284.03: Living in Cities
- SOSA 3310.03: Indian Society: Change and Continuity

Minor in Sociology and Social Anthropology of Social Justice and Inequality

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2040.06: Social Inequality
- SOSA 2041.03: Describing Social Inequality
- SOSA 2042.03: Explaining Social Inequality
- SOSA 2115.03: African Canadian Society, Culture and Resistance
- SOSA 2180.06: Crime and Criminal Justice
- SOSA 2181.03: Explaining Crime and Criminal Behavior
- SOSA 2182.03: Exploring Crime and Criminal Behavior
- SOSA 2190.06: Comparative Perspectives on Gender
- SOSA 2260.03: Society, Politics, and Culture
- SOSA 3002.03: Native Peoples of Canada
- SOSA 3006.03: Comparative Perspectives on Gender and Work
- SOSA 3015.03: Popular Memory
- SOSA 3100.03: Feminist Perspectives in Sociology and Anthropology
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3206.03: Ethnicity, Race and Nationalism
- SOSA 3215.03: Migration and Identity
- SOSA 3225.03: Culture, Rights and Power
- SOSA 3275.03: Crime and Public Policy
- SOSA 3283.03: Globalized Security and Justice: the Challenge of Global Crime and Terrorism
- SOSA 3285.03: Sociology of Law
- SOSA 3295.03: Society and the Police

Minor in Spanish

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science,

Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Spanish is also available.

Requirements:

- SPAN 2020X/Y.06: Intermediate Spanish or equivalent
- SPAN 3035.03: Advanced Spanish I
- SPAN 3036.03: Advanced Spanish II
- SPAN 3020.03: Translation or SPAN 3025.03: Traducccion: Ingles-Espanol
- either SPAN 2005 taken in the same year as SPAN 2020X/Y.06 or SPAN 3005.03

Minor in Statistics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a minor in Statistics is also available.

Requirements

A minimum of 18 to a maximum of 36 credit hours in Statistics

- STAT 2060.03: Introduction to Probability and Statistics
- STAT 2080.03: Statistical Methods for Data Analysis and Inference
- STAT 3340.03: Regression and Analysis of Variance
- at least three credit hours of STAT at the 3000 level
- six credit hours of STAT at 2000 level or higher

¹Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours: MATH 2001.03, MATH 2002.03, MATH 2030.03, MATH 2040.03.

Minor in Theatre

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Theatre is also available.

A minimum of 18 to a maximum of 27 credit hours at or above the 2000 level, to be selected from:

- THEA 2000X/Y.06: Theatre Performance
- THEA 2011.03: Classical Theatre
- THEA 2012.03: Early Modern Theatre
- THEA 2020X/Y.06: Jazz Dance I
- THEA 2214X/Y.06: Shakespeare
- THEA 2229.03: Tragedy
- THEA 2313.03: Shakespeare and his Contemporaries on Film
- THEA 2400X/Y.06: Cave to Cafe: Costume and Identity from Antiquity to 1700
- THEA 2411.03: Designers' Language
- THEA 2700X/Y.06: Scenography I
- THEA 2841.03: Speak with Confidence: Voice for Non-Majors
- THEA 2901.03: Production Dramaturgy
- THEA 2902.03: Play Analysis for Directing
- THEA 2911.03: Stars and Stardom in Stage and Screen

- THEA 3010X/Y.06: The History of Musical Theatre
- THEA 3015.03: Renaissance Drama
- THEA 3020X/Y.06: Jazz Dance II
- THEA 3200X/Y.06: The Director in the Theatre
- THEA 3401X/Y.06: Dress and Identity: King's Court to Mass Culture, 1700-Present
- THEA 3501.03: The Modern Theatre 1: Realism and Responses
- THEA 3502.03: The Modern Theatre 2: High Modernism
- THEA 3600X/Y.06: The Playwright in the Theatre
- THEA 3751X/Y.06: Modern German Drama
- THEA 3911.03: Gender in Theatre: A Cross-Cultural Survey
- THEA 3912.03: Gender Theory and Contemporary Performance
- THEA 3913.03: English Drama 1660-1800
- THEA 3914.03: Topics in Italian Drama and Spectacle
- THEA 4500.03: Canadian Theatre to 1968: Performing the Nation
- THEA 4501.03: Canadian Theatre Since 1968: Interrogating Identities
- THEA 4700X/Y.06: Special Topics I
- THEA 4735X/Y.06: Advanced Seminar in Baroque Culture
- THEA 4900X/Y.06: Theory and Criticism of Drama and Theatre
- THEA 4921.03: Special Topics II
- THEA 4922.03: Topics in Theatre History
- THEA 4923.03: Topics in Dramatic Literature
- THEA 4931.03: Contemporary Theatre

The Science, Information Technology and Engineering (S.I.T.E.) Co-operative Education System

The Science, Information Technology and Engineering Co-operative Education

Co-operative education (Co-op) in the faculties of Computer Science, Engineering and Science is based on the principle that an academic program combined with work experience in alternating terms, is relevant to and desirable for effective professional preparation. Work term employment, which varies from sector to sector and location to location, enables students to acquire experience in their areas of career interest, while academic terms are devoted primarily to fundamental and theoretical studies. These practical experiences and academic studies complement one another.

Eligibility

With the exception of the Bachelor of Informatics, Co-op is optional in all programs and supplementary to academic requirements of the degree. Students who wish to be considered for Co-op will be selected on the basis of academic performance and preparedness for the work environment. The minimum academic grade requirement for admission and continuation as well as the application deadlines, vary by program. See the [Apply to Co-op](#) section of the SITE Co-op website for details.

To enter and remain in Co-op, students must be in Good Standing and be eligible for admission to and/or advancement in their specialization. Students admitted into the program will register in the appropriate Co-operative education courses for each work term, and will be required to pay the Co-operative education program fees which includes a program fee for each work term and a one-time Co-op orientation course fee.

The Study/Work Sequence

The Co-op system requires students to alternate periods of study with periods of employment. The period of employment is called a work term and is normally four months in length. Study/Work term sequences vary by program. Most work terms begin in the third year. Some Engineering sequences contain one, eight-month work term. Students are expected to be enrolled full time during their study terms.

For more information on study/work sequences, please visit the [Programs section of the SITE Co-op website](#), where each program's work term schedule is available.

Students are expected to be enrolled full time during their study terms.

Change of Study/Work Term Sequence

Students are expected to follow the sequence to which they have been assigned or as prescribed for their program. Deviation from the prescribed sequence requires the submission of a formal request, and approval from the student's Faculty and Co-operative Education. Schedule change requests must be submitted at least one month in advance of the proposed changes, and students must be in good academic and Co-op standing. The submitted plan must outline a clear path to graduation. Students are not permitted to end their academic plan with a work term.

Study and Work Term Dates

The work term usually begins on the Monday of the first month of the term and ends the last Friday of the fourth month of the term. Start and end dates may vary depending on the needs of the Co-op employer and work term dates should be confirmed with the employer before the start of the work term.

Co-op students must work for the entire term and may not shorten its length. Work terms shorter than the expected 16 weeks of employment are approved by exception only.

Co-op Preparation – Co-op Orientation Course

The mandatory on-line Co-op Orientation course materials lead students through resources and activities to provide them with the tools to be competitive in their employment search and prepare them for a successful work term. This helps students understand the Co-op employment process and how it fits with their career development. Upon successful completion of the course, students will have the skills to:

- Identify where to find key information about Co-op education at Dalhousie University
- Prepare effective cover letters and resumes to compete for Co-op jobs

- Interview effectively
 - Succeed on their first work term
- Use myCareer in their job search
- Check for interviews
- Use the ranking and matching system

Employment

The employment process is highly competitive and factors such as academic performance, skills, motivation, maturity, attitude, professional conduct, flexibility, and performance potential determine whether an employer offers a student employment.

The SITE Co-op Office builds and uses its network to find a sufficient number of work term positions for the students enrolled in a program. Still, the openly competitive nature of the hiring process, and the fact that job offers come from employers, means that no guarantee of employment can be made.

If a student does not, for reasons beyond his/her control (e.g., shortage of employment in particular sectors, unexpected cancellation of posted jobs), secure employment through an interview process administered by Co-operative Education, every effort will be made to support that student's attempt to find a suitable work experience from alternative sources. Students are expected to work closely and remain in regular contact with Co-operative Education, especially while searching for Co-op employment.

A student who neglects to apply to a suitable quantity and variety of jobs, or who impairs an interview opportunity through unprofessional conduct, will be removed from the employment process and will not be given assistance by Co-operative Education in finding employment for the next scheduled work term.

Work term employment agreements are between the student and the employer. The Dalhousie University is not a party to these agreements and assumes no financial or legal responsibility with regard to events or actions by either party that affect the employment situation for any Co-op student (e.g., layoffs, intellectual property issues, confidentiality agreements, strikes). Students are encouraged to seek whatever professional advice and/or guidance about their agreements they feel is necessary.

The University monitors work terms and records the employer's evaluation of the student's performance. Every Co-op student must receive a grade for every work term and may not opt out of recording, or having submitted, an evaluation of his/her work term performance.

Responsibilities of Co-operative Education, Employers, and Students are detailed in the S.I.T.E. Co-operative Education website [Responsibilities](#) section.

Harassment/Discrimination/Safety

Employers have an obligation to provide a safe and respectful environment for all Co-op students. If a student experiences either harassment or discrimination in a Co-op workplace, the student should contact a coordinator at the SITE Co-op Office.

Similarly, issues of safety or expectations to engage in any behaviour that may pose a risk to the student's well-being should be brought to the attention of a coordinator immediately.

Discipline and Appeals

Disciplinary action is at the discretion of Co-operative Education and/or the Faculty in which the student is enrolled. An appeal process for students provides that disciplinary decisions made by Co-operative Education, either alone or in consultation with the student's appropriate Examinations/Standings and Promotions Committee or Faculty Associate Dean, may be reviewed or appealed at the request of the student.

Co-operative Education Degree Designation

Graduates completing the Co-op Program requirements will receive a "Co-operative" degree designation. Co-op Program registration and work term requirements can be found on the [SITE Co-operative Education website](#). Work term reports, also a requirement of a Co-operative degree designation, are administered by your faculty.

The Canadian Association for Co-operative Education (CAFCE)

Dalhousie University is a member of the Canadian Association for Co-operative Education (CAFCE). The SITE Co-op Programs adhere to the following CAFCE definition of co-operative education:

- Each work situation is developed and/or approved by the Co-operative Educational institution as a suitable learning situation.

- The Co-operative student is engaged in productive work rather than merely observing.
- The Co-operative student receives remuneration for the work performed.
- The Co-operative student's progress on the job is monitored by the Co-operative Educational institution.
- The Co-operative student's performance on the job is supervised and evaluated by the student's Co-operative employer.
- The time spent in periods of work experience must be at least thirty percent of the time spent in academic activity.

The SITE Co-op Office

The SITE Co-op Office is located at the Studley Campus on the 4th floor of the SUB, and the Sexton Campus at 1334 Barrington Street. In addition to Co-op job postings, the Co-op Office offers Co-op preparation and work term success courses, individual advising appointments and 15 minute drop-ins for résumé/cover letter/critiques, career exploration and decision making, job search, and mock interviews.

College of Continuing Education

Location:

Building/Room: Mona Campbell Building
Street Address 1: 1459 LeMarchant Street
Street Address 2: Suite 2201
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-2526
Fax: (902) 494-3662
Website: dal.ca/cce
Email Address: continuinged@dal.ca

Introduction

Dalhousie University College of Continuing Education was created in July 2003 in response to growing needs nationally to retool personal and organizational skill sets. The College represents a fusion of talents, expertise, heritage and experience of two long standing successful Continuing Education units at Dalhousie.

The programs and services of the College are offered through a number of locations across campus and across Canada, face-to-face and online.

The mandate of the College is to provide leadership and support for Dalhousie in its efforts to meet the learning needs of the communities it serves. Using the tools of program design and delivery, applied research, innovative teaching and technology, consulting, outreach and increased accessibility, the College partners with constituencies far beyond Dalhousie's traditional student population.

The College is committed to enhancing Dalhousie's contribution to regional and national economic, social and cultural development. It reinforces long-standing partnerships and builds new ones. It works closely with other faculties and units at Dalhousie. It connects with community groups, private sector and professional organizations, governments at all three levels, and a wide range of individuals and voluntary agencies.

Built upon this base, Dalhousie University College of Continuing Education programs are well-known and highly regarded outside the region; they serve regional, national, and international constituencies.

Programs and Services

The College offers a wide range of specific programs and services, special seminars, and specialized consultant resources. These are focused around a number of key development themes. The College continually evaluates and adapts its efforts in order to respond to the new learning needs of individuals, groups and organizations. What follows is a general description of College programs and themes.

College programs and services are focused in two distinct areas - Pathways and Professional Development.

Staff

Dean

Cochrane, A. G., BPE (Acadia), MBA (SMU)

Professors

Holmes, S., BSA (Acadia), MEd (Dalhousie)

Novack, J., BComm, MPA (Dalhousie)

Associate Professors

Doyle-Bedwell, P., BA (Hons), JD, LL.M (Dalhousie)

MacDonald, E. G., BBA, BA (UNB), MPA (Dalhousie)

MacLean, C., BBA (St. FX), MBA (SMU), CMA

Pathways

Our Pathways Division provides options for those who may require some additional preparation to meet admission prerequisites or to ensure their success. Pathways programs are: Transition Year Program (TYP), University Preparation courses (UPrep), English as a Second Language Programs (ESL), and Refining Your Learning Skills. We also offer Mature Student Advising for older students returning to learning.

Transition Year Program

Address 1400 LeMarchant Street
 PO Box 15000
 Halifax, NS B3H 4R2
Phone: (902) 494-3730
Fax: (902) 494-2135
Website: dal.ca/faculty/cce/programs/transition-year-program.html

TYP has served the post-secondary educational needs of the Mi'kmaq and Black Nova Scotian communities for over 40 years. It is a one-year program designed for African-Canadian and First Nations students who wish to enter university but who do not yet meet standard entrance requirements. TYP was established to redress historical and current educational disadvantages to members of the Mi'kmaq and Black Nova Scotian communities.

TYP prepares its students for full admission to regular Dalhousie BA degree programs at the beginning of their second year on campus. Some students may qualify for entry into other degree programs at Dalhousie. The program introduces students to the university in a variety of ways. Its curriculum, which includes a variable number of non-credit courses, can be adapted to individual needs and objectives. TYP core curriculum includes courses in Black and Native Studies, Strategies for University Learning, English and Mathematics. Students may also choose a regular first-year elective. Classroom instruction is complemented by an orientation session, special lectures, campus tours, workshops and field trips. The program's staff are drawn from the Dalhousie University community as well as the Nova Scotian Black and First Nations communities.

African-Canadian, non-status Aboriginal and Metis students accepted into the program may be eligible for university bursaries during their transition year. If they successfully complete TYP, they may become eligible for continued financial assistance as long as they remain in good academic standing and progress toward a first degree.

The admission criteria are somewhat flexible, and the Admissions Committee considers each case comprehensively on its own merits. The candidate's overall maturity, commitment, and focus are vitally important.

Deadline for receipt of complete applications for the following September: April 30th.

University Preparation Courses

Address 1459 LeMarchant Street, Suite 2201
 PO Box 15000
 Halifax, NS B3H 4R2
Phone: (902) 494-2375
Fax: (902) 494-3662
Website: dal.ca/cce/programs/university-preparation.html

Dalhousie offers a "bridging program" for high school and mature students who are not fully prepared to start university or for those needing assistance in a particular subject area while enrolled in university. University prep courses offered through the College are designed to help students develop their academic skills in a specific subject, improve their marks, complete a prerequisite to enter a specific university program and build confidence before taking a university credit course.

University Preparation Courses Offered

The Writing Skills for Academic Study course prepares students for the writing demands in all university level courses and is accepted by Dalhousie in place of NS English 12. University Prep Chemistry is accepted in place of NS Chemistry 12 and may be used as the prerequisite for all Dalhousie first-year chemistry courses. Math 0010: Pre-Calculus and Math 0011: Pre-Calculus Plus are accepted in place of NS Math 12 Pre-Calculus and enable students to pursue university math and science courses. Math 0009.00: Academic Math is accepted in place of NS Math 12 for entrance to the Faculty of Arts, Bachelor of Commerce, Management and Nursing programs. Physics 0010.00: University Prep Physics is accepted by Dalhousie in place of NS Physics 12 and enables students to enter Physics 1100.06 and Physics 1300.06. University Prep Biology is also accepted by Dalhousie as an admission requirement to all undergraduate programs.

English as a Second Language Programs (ESL)

Address 1459 LeMarchant Street, Suite 2201
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-6060
Fax: (902) 494-3662
Website: dal.ca/esl
Facebook DalEsl
Twitter @DalhousieESL

English for Academic Purposes (EAP)

Dalhousie's English for Academic Purposes (EAP) is designed for students planning to pursue a Bachelor's, Master's or PhD at Dalhousie but who do not meet English language requirements of the university. Dalhousie's intensive EAP courses prepare students for success at an English-speaking university by developing reading, listening, writing, speaking, and academic research skills. The EAP courses consist of 30 hours a week of classroom instruction, and include attendance at lectures, academically-relevant visits to museums and exhibits off and on-campus, and cultural events. Students do not have to be conditionally accepted into a Dalhousie academic program to take Dalhousie's EAP courses.

The Global Assessment Certificate Program™ (GAC)

The Global Assessment Certificate Program™ is an internationally recognized 9.5 month university preparation program that prepares students for success at an English-speaking university. It is designed for students who have applied and been accepted into a Dalhousie undergraduate program but do not meet the University's English language proficiency requirements. The GAC is more than simply an English course. Students prepare for university by studying a variety of subjects including Mathematics, Science, Computing, Business, and Social Science. Students also develop skills in university research, study strategies and time management. All GAC students live on campus in one of Dalhousie's residences, close to classrooms and other important university resources, such as the library, health care services, international student associations, and Dalhousie student services.

Direct Entry to Dalhousie after the EAP and the GAC

If students meet the academic requirements for admission and complete EAP Level 2, they are not required to provide additional proof of English proficiency, such as TOEFL or IELTS test.

ESL Course Placement

All students must be placed at an appropriate level before starting any program. Recent official results from a recognized English language placement test, such as IELTS or TOEFL, can be used for placement in courses. Dalhousie also offers a Placement Test, which applicants can take in lieu of other tests.

Refining Your Learning Skills for Academically Dismissed Students

Address: 1459 LeMarchant Street, Suite 2201
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-6430
Fax: (902) 494-3662
Website: dal.ca/faculty/cce/programs/refining-your-learning-skills.html

These courses are practical and experiential and designed to enhance students' learning skills for the purpose of achieving academic success in university. Students who attend this course will have experienced academic success in high school; however, the study skills applied may not have been sufficient for the intense demands placed on students in the early years of university. To help you refine your skill set and the way you think about your academic performance, we have selected a range of topics that aim to secure self-awareness and personal competence.

Refining Your Learning Skills courses are offered during the summer and include 30 classroom hours, plus daily assignments and some afternoon appointments. The goal of the course is for students to return to Dalhousie in September with renewed confidence and commitment.

A team of instructors, including professors, advisors, and psychologists, will help students deal with the matters of “head, heart and hands” that are critical to academic success. Assignments are designed in consultation with your Faculty to ensure relevancy to your particular program needs. This course may also assist you in your application for a waiver of academic dismissal.

Check with your program advisor before registering.

Programs and Services for Full and Part-Time Mature Students

Address: 1459 LeMarchant Street, Suite 2201
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-2375
Fax: (902) 494-3662
Website: dal.ca/cee

Applicants who are Canadian Citizens or permanent residents and 21 years of age or older, by the first day of classes, and are not eligible for admission on the basis of regular admission requirements, may apply for admission as a mature applicant. In order to be eligible, the applicant must either have no university-level study, or have attempted less than one year of transferable course work. The student cannot have been in full-time university-level study for a minimum period of two years.

Applicants must provide a completed application for admission, high school or post-secondary transcripts, any other relevant documents (e.g. SAT scores, if available), and a letter outlining life and work experiences since last attending full-time study. Applicants will be expected to clearly outline their education goals and motivation to succeed at university study. All factors will be considered in the admission decision.

Admission under this policy is restricted to first year of undergraduate programs. Applicants must have completed grade 12 English (or equivalent) with a minimum grade of 65. Admission to some programs will require completion of other required subjects.

A student admitted on this basis may be restricted in the number of classes he/she can register in during the first year. Otherwise, these students have the same rights, privileges and responsibilities as other students within their program.

Services include pre-admission counselling and university preparation classes such as Writing Skills for Academic Study, Chemistry, Physics, Biology, Academic Math and Pre-Calculus.

Professional Development

Location: 1459 LeMarchant Street, Suite 2201
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-2526
Fax: (902) 494-3662
Website: dal.ca/cee

In an era of decreasing resources and increasing demand, effective management development and training is crucial in every sector and organization. The College of Continuing Education has long provided programs designed to meet the needs of the business, governmental and voluntary sectors.

For more than 30 years, Dalhousie University has been a leading Canadian provider of professional development in Engineering, Management, and Technology. Our programs are offered in Halifax and major centres across Canada in a variety of formats including seminars, short classes, online courses, certificate programs and customized in-house training. Programs are facilitated by instructors from both industry and academia, many of whom have international consulting and lecturing experience.

We offer unique certificate programs that enable participants to consolidate their knowledge, broaden their thinking, and enhance their experience in specific areas.

Those who do not wish to complete a full certificate program are welcome to register for individual courses. Conversely, those who have taken component courses of a certificate program can submit their application for admission to complete the full certificate.

Certificates

The following Certificates are delivered in-class:

- Certificate in Adult Education
- Certificate in Business Analysis
- Certificate in Environmental Management
- Certificate in Advanced ISO 9001:2008 Implementation and Management (AIIM):2008
- Certificate in Leadership Development
- Certificate in Negotiation and Conflict Resolution
- Certificate in Occupational Health and Safety Management
- Certificate in Project Management
- Certificate in Quality Management

- Canadian Risk Management (CRM) Designation

The following Certificates are available by distance education/online:

- Certificate in Business Management
- Certificate in Financial Management
- Certificate in Human Resource Management
- Introduction to Employment Services Certificate
- Certificate in Project Management
- Certificate in Home Inspection
- Certificate in Immigration: Laws, Policies and Procedures
- Certificate in Ergonomic Program Management
- Certificate in Process Instrumentation and Control
- Technical Writing Certificate
- Certificate in Local Government Administration
- Certificate in Local Government Financial Administration
- Certificate in Local Government Human Resource Administration
- Certificate in Local Government Administration: Law and Ethics
- Certificate in Local Government: Community Economic Development
- National Advanced Certificate in Local Government Authority
- Certificate in Fire Service Leadership
- Certificate in Fire Service Administration
- Certificate in Incident Command
- Police Leadership Certificate
- Advanced Police Leadership Certificate
- Non-Profit Sector Leadership

The College also works with external partners to offer specialized programs. Each of these programs incorporates distance education in their delivery.

The Certified Employee Benefit Specialist (CEBS) Program is offered in partnership with the International Foundation of Employee Benefit Plans in Brookfield, Wisconsin. This professional designation program is aimed at benefit managers, consultants, human resource administrators, investment specialists, professionals, insurance company representatives, trust officers and others interested in employee benefits.

The Credit Union Institute of Canada (CUIC) Management Studies and General Studies Programs are offered in cooperation with CUSOURCE and designed for credit union employees across Canada. The Credit Union Director Achievement (CUDA) Program is offered by CUSOURCE and jointly certified by Dalhousie University.

Consulting

Based on the expertise of its resident and associated faculty, the College offers consulting in the areas of: Municipal Management, Fire and Police Management; Leadership; Distance Education Design; Survey Research; Adult Education; Workshops, and Focus Groups; Community Development; and Needs Assessment.

College of Sustainability

Location:

Building/Room: Mona Campbell Building

Street Address 1: 1459 LeMarchant Street

Street Address 2: Room 1401

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-4581

Fax: (902) 494-8923

Website: www.ess.dal.ca

Email Address: sustainability@dal.ca

Introduction

The Dalhousie College of Sustainability provides an interdisciplinary forum for collaborative teaching and learning to address global issues in sustainability. A core of cross-appointed Dalhousie teachers are joined by visiting fellows from within the university and from other institutions and advocacy groups to collaborate with students in energetic, problem-based courses and community-based experiential learning opportunities. Teaching is integrated with a broad range of existing Dalhousie degrees and programs, providing a rigorous disciplinary basis for responsive, issues-oriented study. The continual flow of individual students, teachers and community leaders through the College creates an ongoing exchange of ideas, expertise and passions. The College provides a common place at the centre of the Dalhousie community for the study of sustainability-based problems, and hosts an exciting range of public lectures, seminars and other activities.

The undergraduate programs are the first offerings of the College, and will soon be joined by interdisciplinary research, scholarship and graduate programs.

Degree Programs

The College offers unique transdisciplinary undergraduate programs in Environment, Sustainability and Society (ESS) in the Bachelor of Arts, Bachelor of Community Design, Bachelor of Management, Bachelor of Science, Bachelor of Computer Science, Bachelor of Journalism, and Bachelor of Informatics programs.

- Bachelor of Arts (BA): ESS can be subject A or B of a double major or combined honours degree with any major/honours subject in the Faculty of Arts and Social Science or the Faculty of Science. ESS can also be a Minor with any BA degree.
- Bachelor of Science (BSc): ESS can be subject A or B of a double major or combined honours degree with any major/honours subject in the Faculty of Science. ESS can be subject B in the BSc double major or combined honours with Computer Science. ESS can also be a Minor with any BSc degree.
- Bachelor of Management (BMgmt): ESS can be done as a major.
- Bachelor of Community Design (BCD): ESS can be subject B of a double major or honours, double major.
- Bachelor of Computer Science (BCSc): ESS can be done as a minor.
- Bachelor of Journalism (BJH): ESS can be subject B of the BJH combined honours.
- Bachelor of Informatics (BInf): ESS can be done as a major.

Admission Requirements

Admission requirements of the Faculty offering the chosen degree apply. For example, for BSc Double Major, prospective students would be subject to the admission requirements of the Faculty of Science. See Admission Requirements section of the calendar for each Faculty.

Staff

Deans

Cunningham, P., BA (Queen's), MBA (Calgary), PhD (Texas A & M)

Moore, C., BA (Hons), PhD (Cambridge)

Macy, C., BA (Arch) (California at Berkeley), MArch (MIT)

Shephard, M., MSc, PhD (Western)

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

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BA, BSc, Double Major/Combined Honours, Environment, Sustainability and Society

Environment, Sustainability and Society as Subject A

Subject A: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 (six credit hours in fall term)
- SUST 2001.06 (six credit hours in winter term)
- SUST 3000.03
- SUST 3502.03 or MGMT 3701.03
- SUST 4000X/Y.06

Double Major:

- 18 credit hours SUST/ESS electives (at least 12 credit hours outside subject B)
- may be combined with minor(s)

Combined Honours:

- 12 credit hours SUST/ESS electives (at least six credit hours outside subject B)
- SUST 4900X/Y.06
- Cumulative GPA in Honours subject courses of 3.3, with no individual grade less than C
- may be combined with minor(s)

Subject B: Any Major/Honours subject in the Faculties of Arts and Social Sciences or Science

For detailed requirements, please consult the Calendar and Academic Advisor for your allied subject.

Environment, Sustainability and Society as Subject B

Subject A: Any Major/Honours subject in the Faculties of Arts and Social Sciences or Science or Computer Science

For detailed requirements, please consult the Calendar and Academic Advisor for your allied subject.

Subject B: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 or SUST 2001.06
- Six additional credit hours in SUST at the 2000 level or above
- 18 credit hours SUST/ESS elective (at least 12 credit hours outside subject A)
- at least 12 credit hours must be at the 3000 level or above.

General Degree Requirements

For BA and BSc students SUST 1000.06 satisfies the writing requirement. For BA students either SUST 1000.06 or SUST 1001.06 satisfies the Life and Physical Sciences requirement. For BSc students either SUST 1000.06 or SUST 1001.06 satisfies the Social Science requirement. For general BA/BSc degree requirements, please see College of Arts and Science Degree Requirements.

BCD Double Major in Community Design and Sustainability

Subject A: Community Design

See School of Planning for specific requirements

Subject B: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 (six credit hours in fall term)
- SUST 2001.06 (six credit hours in winter term)
- SUST 3000.03
- SUST 3502.03 or MGMT 3701.03
- SUST 3002.03
- SUST 4000X/Y.06
- Six credit hours SUST/ESS electives, outside PLAN
- SUST 1000.06 satisfies the BCD English writing requirement
- SUST 1000.06 and SUST 1001.06 both satisfy the science requirement and social science requirement for BCD students

BCD Honours, Double Major in Community Design (Environmental Planning or Urban Design and Planning) and Sustainability

Qualified BCD students may apply for the Honours program in year 3. See School of Planning for details.

Subject A: Environmental Planning or Urban Design and Planning

See School of Planning for specific requirements

Subject B: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 (six credit hours in fall term)
- SUST 2001.06 (six credit hours in winter term)
- SUST 3000.03
- SUST 3502.03 or MGMT 3701.03
- SUST 1000.06 satisfies the BCD English writing requirement
- SUST 1000.06 and SUST 1001.06 both satisfy the science requirement and social science requirement for BCD students

BMgmt Major in Environment, Sustainability and Society

See Faculty of Management, Bachelor of Management Degree program for general requirements

- SUST 1000.06 (or SUST 1001.06) *
- SUST 2000.06 or SUST 2001.06
- SUST 3502.03 or MGMT 3701.03
- SUST 4000X/Y.06
- Six credit hours SUST/ESS electives at 2000 level or above
- Three credit hours SUST/ESS electives at 3000 level or above (MGMT 3702.03 is recommended)

* SUST 1000 or SUST 1001 satisfy the first year ESS Major requirement, however, SUST 1000 also satisfies the BMgmt writing requirement and can be more easily accommodated in the first year BMgmt schedule. SUST 1001 does not satisfy the BMgmt Writing Requirement.

BCSc Minor in Environment, Sustainability and Society

- SUST 1000.06
- SUST 1001.06
- SUST 2000.06 or 2001.06
- 12 credit hours SUST/ESS electives at the 3000 level or above
- six credit hours SUST/ESS electives at the 2000 level or above

BJH Combined Honours in Journalism and Environment, Sustainability and Society

See University of Kings College, Bachelor of Journalism program for general requirements.

- SUST 1000.06
- SUST 1001.06
- SUST 2000.06 or SUST 2001.06
- 12 credit hours SUST/ESS electives at the 3000 level or above
- six credit hours SUST/ESS electives at the 2000 level or above

BInf Major in Environment, Sustainability and Society

See Faculty of Computer Science, Bachelor of Informatics program for general requirements.

- SUST 1000.06
- SUST 1001.06

- SUST 2000.06 or SUST 2001.06
- 12 credit hours SUST/ESS electives at the 3000 level or above
- six credit hours SUST/ESS electives at the 2000 level or above

Minor in Environment, Sustainability and Society

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

- a minimum of 18 credit hours and a maximum of 27 credit hours at the 2000 level or above in SUST courses.
- Prerequisites: SUST 1000.06 and SUST 1001.06

RBC Sustainability Leadership Certificate

The RBC Sustainability Leadership Certificate offers a powerful, creative, hands-on program consisting of three weekend modules, two personal action projects and a series of written reflections. The program is designed to cultivate students' skills and confidence to lead social and environmental change.

All students at Dalhousie University are eligible to apply for the program. Prerequisites are one of: SUST 1000, SUST 1001, AGRI 1000 or evidence of experience or course work in fields related to environmental and social sustainability. Applications may be made online at the College of Sustainability website in September and the program begins each year in October.

For more information and to apply for the program please go to:

<http://www.dal.ca/faculty/sustainability/programs/slc.html>

List of Approved ESS Electives

Note: It is the student's responsibility to check the course calendar for pre-requisites to these courses.

College of Sustainability

SUST 2000.06: Local Governance, Citizen Engagement and Sustainability.
 SUST 2001.06: Environment, Sustainability and Governance: a Global Perspective.
 SUST 3000.03: Environmental Decision-Making.
 SUST 3002.03: Environment, Sustainability and Society Internship.
 SUST 3502.03: The Campus as a Living Laboratory.
 SUST 3950.03: Topics in Environment Sustainability and Society
 SUST 4000X/Y.06: Environment, Sustainability and Society Capstone
 SUST 4950.03: Advanced Topics in Environment Sustainability and Society

Faculty of Agriculture

Agriculture

AGRI 2000.03: Transition to Organic Agriculture (Distance)

Agronomy

AGRN 2000.03: Organic Field Crop Management (Distance)

Faculty of Architecture and Planning

Planning

PLAN 2010.03: Sustainable Community Design.
PLAN 3001.03: Landscape Ecology
PLAN 3005.03: Cities and the Environment in History
PLAN 3010.03: Urban Ecology

Faculty of Arts and Social Sciences

Canadian Studies

CANA 3020.03: Canadian Cultural Landscapes

Contemporary Studies

CTMP 3210.03: Intersecting Bodies, Selves and Environments

Early Modern Studies

EMSP 2330.03: Nature Imagined: Literature and Science in Early Modern Europe

German

GERM 3550.03: Germany and the Environment

History

HIST 3210.03: Canadian Cultural Landscapes
HIST 3370.03: North American Landscapes

History of Science and Technology

HSTC 3212.03: The Biosphere: Global Perspectives in Science and Philosophy

International Development Studies

INTD 3012.03: Sustainability, Development and Economy
INTD 3114.03: Environment and Development
INTD 3304.03: Sustainable Development in Cuba

Philosophy

PHIL 2480.03: Environmental Ethics
PHIL 2485.03: Technology and the Environment

Political Science

POLI 3585.03: Politics of the Environment
POLI 3589.03: Politics of the Sea I
POLI 4380.03: Politics of Climate Change
POLI 4590.03: Politics of the Sea II

Sociology and Social Anthropology

SOSA 2101.03: Environment and Culture
SOSA 2102.03: Political Ecology
SOSA 2401X/Y.06: Food and Eating Across Cultures
SOSA 2402.03: Food and Culture
SOSA 2403.03: Food Activism
SOSA 3190.03: Social Movements
SOSA 3200.03: Environment and Society

Faculty of Engineering

Environmental Engineering

ENVE 3000.03 / IDIS 2000.03: Fundamentals of Environmental Engineering

Other Engineering Courses

ENVE 3432.03: Waste Management
MINE 4815.03: Mining and the Environment

Faculty of Health Professions

Health and Human Performance

HAHP 3000.03: Community Development

Faculty of Management

Management

MGMT 3701.03: Resource/Environmental Problem-Solving 1: The Community as a Living Laboratory (Note: Exclusion with SUST 3502.03)
MGMT 3702.03: Resource/Environmental Problem-Solving 2: Sustainable Industries

Faculty of Science

Biology

BIOL 3060.03: Environmental Ecology
BIOL 3061.03: Communities and Ecosystems
BIOL 3063.03: Resource Ecology
BIOL 3065.03: Conservation Biology
BIOL 3600.03: Aquaculture
BIOL 3601.03: Nature Conservation
BIOL 3623.03: Applied Coastal Ecology - Field intensive, lab and lecture
BIOL 3624.03: Urban Freshwater Systems
BIOL 3634.03: Agroforestry
BIOL 4001.03: Environmental Impact Assessment
BIOL 4065.03: Sustainability and Global Change
BIOL 4160.03: Political Ecology
BIOL 4369.03: Fisheries Oceanography

Earth Sciences

ERTH 3440.03: Geomorphology
ERTH 3500.03: Geoscience Information Management
ERTH 3601.03: Global Biogeochemical Cycles
ERTH 3701.03: Fundamentals of Hydrology
ERTH 4450.03: Intro to Landscape Simulation

Economics

ECON 2216.03: Economics of Global Warming
ECON 2850.06: The Science and Economics of Climate Change
ECON 3335.03: Environmental Economics

Environmental Science Program

ENVS 3200.03: Introduction to Environmental Law
ENVS 3301.03: Enterprise Sustainability
ENVS 3400.03: Environment and Human Health
ENVS 3501.03: Environmental Problem Solving I
ENVS 3502.03: Environmental Problem Solving II: The Campus as a Living Laboratory (cross-listed with SUST 3502, exclusion with MGMT 3701.03)
ENVS 3601.03: Global Biogeochemical Cycles
ENVS 3624.03: Urban Freshwater Systems
ENVS 3701.03: Fundamentals of Hydrology
ENVS 4001.03: Environmental Impact Assessment
ENVS 4002.03: The Science of Wetland Ecosystems
ENVS 4003.03: Coral Reefs and Environmental Change
ENVS 4220.03: International Environmental Law for Scientists

Geography

GEOG 2800.03: Climate Change
GEOG 3001.03: Landscape Ecology
GEOG 3005.03: Cities and the Environment in History
GEOG 3114.03: Environment and Development
GEOG 3210.03: Canadian Cultural Landscapes
GEOG 3370.03: North American Landscapes
GEOG 3400.03: Human Health and Sustainability
GEOG 3440.03: Geomorphology
GEOG 3500.03: Exploring Geographic Information Systems
GEOG 4450.03: Introduction to Landscape Simulation

Marine Biology

MARI 3063.03: Resource Ecology
MARI 3600.03: Aquaculture
MARI 3627.03: Biology and Conservation of Sharks, Skates and Rays
MARI 4369.03: Fisheries Oceanography

Oceanography

OCEA 2800.03: Climate Change
OCEA 4000.03: Oceans and Global Change
OCEA 4160.03: Fisheries Oceanography

Physics and Atmospheric Science

PHYC 2310.03: Energy and the Environment
PHYC 2800.03: Climate Change
PHYC 2850.06: The Science and Economics of Climate Change

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

SUST 1000 Introduction to Environment, Sustainability and Society 1

CREDIT HOURS: 6

An interdisciplinary issues-based approach to environment, sustainability and society drawing on themes from across the faculties, this course introduces students to the conceptual frameworks underlying our understanding of the environment and sustainability. Topics include energy, water, climate change, human population, economics, policy, food, urbanization and equity.

NOTES: One full credit in fall term.

FORMAT: Lecture| Tutorial

SUST 1001 Introduction to Environment, Sustainability and Society 2

CREDIT HOURS: 6

Drawing on themes from across the disciplines, diverse conceptual frameworks and analytical methods underlying our understanding of the environment and sustainability are explored. Topics include energy, water, climate change, human population, economics, policy, food, urbanization and equity.

NOTES: One full credit in winter term.

FORMAT: Lecture| Tutorial

SUST 2000 Local Governance, Citizen Engagement and Sustainability

CREDIT HOURS: 6

People make decisions that influence the way the world changes and the way in which it stays the same. This course is about people and how their roles and actions affect social and natural environments at the local level. We explore the roles and actions of individuals as consumers, citizens and as activists, and groups of people who work in local government, the legal system, the corporate and entrepreneurial sectors and with non-governmental organizations. The course uses a Problem Based Learning (PBL) approach to help us think critically as we explore the connections between people, their actions, and the complex issues associated with environmental and social sustainability.

NOTES: One full credit in fall term.

FORMAT: Lecture| Tutorial

PREREQUISITE: SUST 1001.06 or permission of instructors.

SUST 2001 Environment, Sustainability and Governance: a Global Perspective

CREDIT HOURS: 6

An examination of the interface between human development and the environment at the global level using a problem based approach. Various perspectives are used to explore the link between environmental issues, poverty, consumption, population, economic globalization, urbanization and international organizations. The course includes group project work.

NOTES: One full credit in winter term.

FORMAT: Lecture| Tutorial

PREREQUISITE: SUST 1000.06 and SUST 1001.06 or permission of instructors

SUST 3000 Environmental Decision Making

CREDIT HOURS: 3

The world is a product of countless individual and collective choices. Making decisions for a sustainable future requires that these decisions account for the uncertainty and complexity inherent to human development and be sensitive to ecological constraints and associated, often competing, human values. This course explores the key challenges and tools associated with environmental decision making.

FORMAT: Lecture| Tutorial

PREREQUISITE: Third year standing or approval of instructor

SUST 3002 Environment, Sustainability and Society Internship

CREDIT HOURS: 3

Students gain hands-on experience while addressing a question of personal and academic interest relevant to the field of environment and sustainability. Students work as interns for 6-8 hours per week over one semester on an approved project with a sponsoring agency.

NOTES: Instructor approval required for registration. Visit: www.dal.ca/faculty/sustainability/community-engagement/internships.html

PREREQUISITE: SUST 2000.06 or SUST 2001.06. Cumulative GPA 3.0 or better. Must be in ESS program.

SUST 3502 The Campus as a Living Laboratory

CREDIT HOURS: 3

In this course the campus serves as a living laboratory for identifying, evaluating and assessing indicators of progress toward greater campus sustainability. Working in groups, students apply problem solving models to case studies using qualitative and quantitative research methods and make recommendations for improvements on campus based on their analyses.

NOTES: MGMT 3701.03 is considered equivalent to SUST 3502 and satisfies the same degree requirement.

FORMAT: Lecture| Tutorial

PREREQUISITE: SUST 2000.06 or SUST 2001.06

CROSS-LISTING: ENVS 3502.03

EXCLUSIONS: MGMT 3701.03

SUST 3950 Topics in Environment Sustainability and Society

CREDIT HOURS: 3

This course addresses current interdisciplinary issues in sustainability with topics varying each semester. The course is taught by Dalhousie faculty, and/or visiting scholars.

PREREQUISITE: This class is restricted to students in the Environment, Sustainability and Society (ESS) program, or with permission from the Academic Advisor in the College of sustainability.

RESTRICTIONS: Must have third year status or above

SUST 4000X/Y Environment, Sustainability and Society Capstone

CREDIT HOURS: 6

Students work in multidisciplinary groups, with community partner organizations to identify real problems and develop meaningful strategies to address them. Groups work with advisors and experts to create detailed plans of action based on strong research and analysis, working in a studio environment.

FORMAT: Seminar| Studio

PREREQUISITE: SUST 3502.03 or MGMT 3701.03 or permission of instructor

SUST 4800 Environment Sustainability and Society Independent Study

CREDIT HOURS: 3

This Independent study course allows fourth-year students to study a topic in Environment, Sustainability and Society not covered in other courses, or in more depth. Student must first consult with a faculty member to arrange the topic of study. An outline of the Independent Study must be approved by the Associate Director Undergraduate of the College of Sustainability.

PREREQUISITE: This class is restricted to fourth-year students in the Environment, Sustainability and Society (ESS) program, or with permission from the Associate Director Undergraduate of the College of Sustainability.

RESTRICTIONS: Must have completed 90 credit hours, permission required

SUST 4900X/Y Honours Thesis Project

CREDIT HOURS: 6

Independent research project carried out under the supervision of an approved faculty member or affiliated professional.

PREREQUISITE: SUST 3000.03 and SUST 3502.03 and permission of instructor

SUST 4950 Advanced Topics in Environment Sustainability and Society

CREDIT HOURS: 3

This course addresses current interdisciplinary issues in sustainability with topics varying each semester. The course is taught by Dalhousie faculty, and/or visiting scholars.

PREREQUISITE: SUST 2000.06 OR SUST 2001.06 or with permission from the Academic Advisor in the College of Sustainability.

RESTRICTIONS: Must have third year status or above

Faculty of Agriculture

Location:

Building/Room: Cumming Hall
Street Address 1: 21 Cox Road
Street Address 2: Dalhousie Agricultural Campus
P.O. Box: 550
Truro, NS B2N 5E3
Telephone: (902) 893-6722
Fax: (902) 895-5529
Website: www.dal.ca/faculty/agriculture.html
Email Address: dean.agriculture@dal.ca

Introduction

The Faculty of Agriculture was established in 1905 as the Nova Scotia Agricultural College and merged with Dalhousie University in 2012.

Students in the Faculty of Agriculture study a range of undergraduate degree programs including animal science, agricultural business, agricultural economics, aquaculture, environmental landscape horticulture, environmental science, integrated environmental management, international food business, plant science and pre-veterinary medicine.

The Faculty offers diploma and technical programs in business management, engineering, managed landscapes, plant science and veterinary technology, as well as a variety of certificate programs.

Dalhousie's beautiful Agricultural Campus, located just outside Truro in Bible Hill, Nova Scotia, is home to the Faculty of Agriculture's more than 950 students. The campus is well equipped with a range of student services, residences, food and athletic facilities, clubs and societies; all of which lend to a rich and personable student experience. Hands-on learning in the classroom, the lab and the field, give students practical experience and prepare them well for careers on a local, national and global scale.

Challenge for Credit

Students registered in a Faculty of Agriculture program who have acquired competency in material covered by a Faculty of Agriculture course may obtain credit for the course by means of a course challenge. A maximum of six credit hours can be accumulated from challenges for credit.

Procedures:

- Application for challenge for credit is made to the Registrar and a fee of 50% of the course tuition is irrespective of the results of the challenge.
- The academic department must confirm that the student has a reasonable basis for requesting a challenge, such as previous work experience or educational experience.
- Normally the challenge will be in the form of a comprehensive examination, but for a course with an accompanying laboratory or project(s) the department may require demonstration of appropriate skills as a prerequisite to, or as a part of, the challenge for credit examination.
- The challenge for credit examination must be completed and the grade submitted prior to the last date for adding a course for the term in which the particular course is offered.
- Challenge for credit examinations will be graded as either Pass or Fail. This grade is final and cannot be appealed.
- No student may challenge for credit a course that appears on their academic record.
- A student must be in good academic standing to request a challenge for credit.
- A student may not challenge for credit more than once in any course.

Staff

Dean & Campus Principal

Gray, D. R., Upper Second Class Honours degree (University College of North Wales), PhD (Rhodes)
Telephone: (902) 893-6720

Associate Dean Academic

Caldwell, C. D., BSc (Mount Allison), MSc (Dalhousie), PhD (East Anglia)

Associate Dean Research

Corscadden, K. W., BEng (Boulton Institute, UK), MSc (U of Manchester, UK), MBA (U of Wales, UK), PhD (U of Manchester, UK)

Assistant Dean (Students)

Jones, K., BA (Stanford), JD (California, Davis)

Assistant Dean (International)

Pitts, N., BSc (Agr), MSc (McGill), PhD (Guelph), BEd, MAEd (St. F X)

Administrator

Power, G. E., BBA (MSVU)

Professors Emeriti

Hamilton, P. Y., BSc (Agr) (McGill), MSc (Maine)

Langille, W. M., BSc (Acadia), MSc (McGill)

Robinson, A. R., BSc (Agr) MSc (McGill), PhD (McGill)

Sanger, P. M., BA (Melbourne), BEd (Acadia), MA (Victoria)

Stratton, G. W., BSc (Agr), MSc, PhD (Guelph)

Professors

Anderson, D. M., BSA, MSc (Manitoba), PhD (Saskatchewan)

Asiedu, S. K., BSc (Agr), MSc, PhD (McGill)

Astatkie, T., BSc, MSc (Addis Ababa), PhD (Queen's)

Benkel, B. F., BSc (Brock), PhD (Ottawa)

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Caldwell, C. D., BSc (Mount Allison), MSc (Dalhousie), PhD (East Anglia)

Clark, J. S., BA (Guelph), MSc (Saskatchewan), PhD (North Carolina)

Duston, J., BSc (Bath), PhD (Aston)

Farid, A. H., BSc, MSc (Shiraz), PhD (Alberta)

Fredeen, A. H., BSA (Saskatchewan), MSc (Guelph), PhD (California)

Grant, K. G., BA (Acadia), MA, PhD (Western)

Gray, A. B., BSc (Bishops), MSc, PhD (McGill)

Hoyle, J., BA (Univ York), BA (Open Univ., U.K.), BEd (Dalhousie), MSc (Leeds), PhD (Dalhousie)

Lada, R., BSc, MSc (Hort) (TNAU), PhD (Adelaide)

MacLaren, L. A., BSc (Agr) (Guelph), MSc (Alberta), PhD (California)

Nams, V. O., BSc (Toronto), MSc (Alberta), PhD (Victoria)

Olson, A. R., BA (Augustana), MSc (Wisconsin), PhD (Alberta)

Patterson, D. L., BSc (Alberta), MSc, PhD (Guelph)

Percival, D. C., BSc (Agr), MSc, PhD (Guelph)

Rouvinen-Watt, K. I., BSc, MSc, PhD (Kuopio)

Sibley, K. J., BSc (Agr Eng), MSc (McGill), PhD (Wageningen)

Tennessen, T., BA, BSc, MSc, PhD (Alberta)

Wang-Pruski, G., BSc (Tian Jin), PhD (Alberta)

Yildiz, I., BSc (Agr), MSc (Agr) (Ankara), MSc, MsME, PhD (Ohio State)

Associate Professors

Brewster, G. R., BA, MSc, PhD (Western Ontario)
Cameron, G. A., BA Hon (St. FX), MA (York), PhD (SOAS)
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Cutler, C. G., BSc (Hon)(MUN), MPM (Simon Fraser), PhD (Guelph)
France, R., BSc, MSc (Manitoba), PhD (Toronto)
Georgallas, A., BSc (Queen Elizabeth College), PhD (London)
Goodwin, C. D., BSc (MSVU), MSc (Guelph)
Goodyear, S. N., BSc (Agr) (McGill), MSc, PhD (Guelph)
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Pitts, N. L., BSc (Agr), MSc (McGill), PhD (Guelph), BEd, MAd.Ed (St. FX)
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Prithiviraj, B., BSc (Agr) (Annamalai), MSc, PhD (BHU)
Pruski, K. W., BSc (Warsaw), MSc (Warsaw, Alberta), PhD (Wageningen)
Rathgeber, B. M., BSc (Agr) (Saskatchewan), MSc (Arkansas), PhD (Saskatchewan)
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Russell, S. G., BSc (Agr) (Guelph), MBA (Saint Mary's), PhD (Bradford)
Sanderson, L. L., BSc (Agr), MSc (Guelph)
Somogyi, S., BSc (Hons), PhD (Adelaide)
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Udenigwe, C. C., BSc Hons (Nigeria), MSc, PhD (Manitoba)
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Assistant Professors

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Dukeshire, S. R., BComm, BA Hon (Saint Mary's), MSc, PhD (Waterloo)
Dunlop, D. M., BSc (Agr) (NSAC), MSc (Alberta)
Hammermeister, A. M., BSc (Agr) (Saskatchewan), MSc, PhD (Alberta)
Hartt, C. M., BA (Dalhousie), MBA, PhD (Saint Mary's)
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Kevany, K. M., BA (Carleton), MEd, EdD (Toronto)
Lu, J., BA (China Renmin U), MA (Beijing Normal U), PhD (McGill)
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Martynenko, A. I., BSc (Kiev), MSc (Moscow), PhD (Guelph)
McLean, N. L., BSc (Agr), MSc (McGill), PhD (Dalhousie)
Montanholi, Y. R., DVM (U do Estado de Santa Catarina), MSc (An Sc) (U Federal do Rio Grande do Sul), PhD (An Sc) (Guelph)
Myles, S. A., BA (St. Thomas), MSc (Oxford), PhD (Max Planck)
Nguyen Quang, T., BSc (Nat. Polytechnic Inst. of Grenoble), MSc (Joseph Fourier), PhD (Montreal, Mediterranean)
Niu, H., BEng (Xi'an Architecture & Tech), MEng, PhD (Memorial)
Parsons, L. D., BSc (Agr) (NSAC), DVM (UPEI)
Smith, J. M., BPEd (Dalhousie)
Stewart-Clark, S., BSc, MSc, PhD (UPEI)
White, S. N., BSc (Agr), MSc (NSAC), PhD (Guelph)

Bachelor of Agriculture - International Food Business

** a dual degree awarded with a Bachelor of Administration (Honours) from CAH Viltentum University in The Netherlands*

Dalhousie University and CAH Viltentum University in the Netherlands have partnered to offer a new, four-year, dual-degree program. Graduates will be awarded a Bachelor of Agriculture in International Food Business from Dalhousie University and a Bachelor of Administration in International Food Business (Honours) from CAH Viltentum.

This exciting new dual degree program offers a year of international study and two work terms: one in North America and one in Europe. In year one, North American students will study at Dalhousie University, and European students will study at CAH. Year two is offered in The Netherlands when both groups of students will study together. This continues in year three when both groups of students study on Dalhousie's Agricultural Campus in Truro, NS. Students complete year four at their home university.

This four-year degree emphasizes its international focus by beginning with a one-week orientation in Iceland, where European and North American students get to know one another while exploring the Icelandic food industry. This unique program will appeal to students who enjoy studying independently, have an interest in business and are keen to explore the world.

Program Design and Delivery

The Bachelor of Agriculture in International Food Business is a modularized, competency-based program of study. The academic courses are integrated into a series of 10 modules throughout the first three years of the program. The module titles are listed below

Year 1 Theme: International Business Essentials

Semester 1

Module 1.
Acquiring Knowledge of International Food Systems
Module 2.
Analyzing Business Processes

Semester 2

Module 3.
Analyzing Food Value Chains
Module 4.
Developing External Communication Strategies

Year 2 Theme: Innovation and Marketing

Semester 1

Module 5.
Innovating and Entrepreneurship in Food Business
Module 6.
Marketing Management

Semester 2

Module 7.
Performing Market Research
European Placement

Year 3 Theme: Leadership, Finances and Business Planning

Semester 1

Module 8.
Performing as a Leader and Manager
Module 9.
Analyzing and Realizing Financial and Managerial Information and Forecasts

Semester 2

Module 10.
Developing Business Plans
North American Placement

Students who complete all modules plus year 4 will receive credit in the following courses to meet the core requirements of the program:

ECO A 1002: Introduction to Economic Reasoning
EGLA 1003: Business Writing
FOOD 1000: Food Safety and Quality Assurance
INFB 1000: International Food Policy and Environment
INFB 1001: International Food Business Project I
INFB 1002: International Food Business Project II
INFB 1003: Introductory Second Language
MGTA 1001: Introduction to International Business
MGTA 1002: Food Supply Chain Management
MGTA 1003: International Business Communications
MGTA 2002: Marketing
MGTA 2004: Financial Accounting
MGTA 2006: Advertising and Promotion
MGTA 2010: Innovation Management
MGTA 2011: International Marketing Research
MGTA 2012: Fundamentals of Management
MGTA 2013: Business Planning
MGTA 3000: Management Accounting
MGTA 3003: European Placement I
MGTA 3004: European Placement II
MGTA 3005: New Product Development
MGTA 3006: Retail Management
MGTA 3007: Quality Management
MGTA 3008: Intermediate Marketing Research
MGTA 3009: Financial Management
MGTA 4001: Advanced Entrepreneurship
MGTA 4002: North American Placement I
MGTA 4003: North American Placement II
MTHA 1002: Business Math
RESM 4004: Research Methods for Economics and Business
RESM 4005: Project-Seminar for Economics and Business

nine electives (including two, four course specializations)

Year 1

Semester 1

ECO A 1002: Introduction to Economic Reasoning

EGLA 1003: Business Writing
INFB 1000: International Food Policy and Environment
INFB 1001: International Food Business Project I
MGTA 1001: Introduction to International Business

Semester II

INFB 1002: International Food Business Project II
FOOD 1000: Food Safety and Quality Assurance
MGTA 1002: Food Supply Chain Management
MGTA 1003: International Business Communications
MGTA 2006: Advertising and Promotion

Year 2

Semester III

MGTA 2002: Marketing
MGTA 2010: Innovation Management
MGTA 3005: New Product Development
MGTA 3006: Retail Management
MTHA 1002: Business Math

Semester IV

INFB 1003: Introductory Second Language
MGTA 2011: International Marketing Research
MGTA 3008: Intermediate Marketing Research

Semester V

MGTA 3003: European Placement I
MGTA 3004: European Placement II

Year 3

Semester VI

MGTA 2004: Financial Accounting
MGTA 2012: Fundamentals of Management
MGTA 2013: Business Planning
MGTA 3000: Management Accounting
MGTA 3009: Financial Management

Semester VII

MGTA 3007: Quality Management
MGTA 4001: Advanced Entrepreneurship
Elective

Semester VIII

MGTA 4002: North American Placement I
MGTA 4003: North American Placement II

Year 4

Semester IX

RESM 4004: Research Methods for Economics and Business
Elective (First Specialization)
Elective (First Specialization)
Elective (Second Specialization)
Elective (Second Specialization)

Semester X

RESM 4005: Project-Seminar for Economics and Business
Elective (First Specialization)
Elective (First Specialization)
Elective (Second Specialization)
Elective (Second Specialization)

In year four, students must take two, four course specializations. The following is a list of Specializations students can choose in consultation with the International Food Business Coordinator:

- Agronomy Studies
- Animal Studies Development Studies
- Environmental Studies
- Economic Studies
- Horticultural Studies
- Management Studies
- Organic Agricultural Studies
- Quantitative Methods Studies
- other

Bachelor of Science (Agriculture)

Dalhousie offers a four-year program leading to a degree in Agricultural Science. Students in the Agricultural Sciences who successfully complete the prescribed courses with a cumulative GPA at or above the minimum required (2.0), and who are in good standing, will be granted the degree of Bachelor of Science in Agriculture, BSc (Agr). Graduates of this program meet the formal educational requirements for Professional Agrologists in the provincial Institutes of Agrologists of the Atlantic Provinces.

Normally, students select a major during their first year and continue in that field of study until they graduate.

- 120 credit hours
- 36 credit hours of required courses as outlined below
- six credit hours of approved Languages and Humanities/Social Sciences electives from the list, of which three credit hours must be at the 3000 level or above
- 18 credit hours at the 3000 level or above
- 36 credit hours of approved agricultural courses from the list below
- Specific Major Requirements as follows

Major Subjects

Agricultural Business, Agricultural Economics, Animal Science, Aquaculture, Environmental Sciences, Integrated Environmental Management, Plant Science. See specific degree requirements listed below.

Double Major

Students wishing to complete a double major must satisfy all of the degree requirements for the BSc (Agr) and the program specific requirements of each major with the exception of the research methods courses. One set of research methods courses should be completed and the research project should cover both majors. Students must complete a minimum of 24 credit hours in the second major that are not included in the first major. A degree with a second major may take longer to complete than a single degree major due to scheduling challenges.

Required Courses for All Majors

1000 Level

AGRI 1000: Agricultural Ecosystems
BIOA 1002: Biology I
BIOA 1003: Biology II
CHMA 1000: General Chemistry I
CHMA 1001: General Chemistry II
ECO A 1000: Principles of Microeconomics
MTHA 1000: Introductory Calculus I
MTHA 1001: Introductory Calculus II
One of:
EGLA 1000: Composition
EGLA 1001: The Novel
or
EGLA 1002: Nature in English & American Literature

2000 Level

STAA 2000: Introduction to Statistics

4000 Level

RESM 4XXX: Project Seminar I
RESM 4XXX: Project Seminar II

Approved Agricultural Courses

- AGRI 1000, AGRI 1001, AGRI 2000, AGRI 3001, AGRI 4000
- AGRN 2000, AGRN 2001, AGRN 2002, AGRN 2008, AGRN 4000
- ANSC 2001, ANSC 2002, ANSC 2004, ANSC 2005, ANSC 2007, ANSC 3000, ANSC 3001, ANSC 3002, ANSC 3003, ANSC 3004, ANSC 3005, ANSC 40003, ANSC 4004, ANSC 4005, ANSC 4006, ANSC 4007
- APSC 2000, APSC 2004, APSC 2012, APSC 2013, APSC 3001, APSC 3013, APSC 4001, APSC 4006
- AQUA 2000, AQUA 3000
- BIOA 2005, BIOA 3000, BIOA 3002, BIOA 3004, BIOA 3005, BIOA 3008, BIOA 4000
- CHMA 2003, CHMA 2004, CHMA 3002, CHMA 3007, CHMA 3008
- ECOA 1000, ECOA 2002, ECOA 2003, ECOA 2004, ECOA 3002, ECOA 3003, ECOA 3004, ECOA 4001, ECOA 4002, ECOA 4004
- ENVA 2000, ENVA 2001, ENVA 2002, ENVA 3002, ENVA 3004, ENVA 3021, ENVA 4000, ENVA 4002, ENVA 4003, ENVA 4005, ENVA 4006, ENVA 4008
- FOOD 3000, FOOD 3001, FOOD 4000
- GENE 4000
- HORT 2000, HORT 2001, HORT 2004, HORT 2006, HORT 2007, HORT 2009, HORT 2010, HORT 4001, HORT 4002
- IAGR 2003, IAGR 3000, IAGR 3001, IAGR 4000
- INFB 1000
- MGTA 3009(A), MGTA 4001
- MCRA 3000, MCRA 4000
- NUTR 3000, NUTR 3001, NUTR 3002
- PLSC 1000, PLSC 2000, PLSC 2001, PLSC 3000, PLSC 4000, PLSC 4002, PLSC 4003, PLSC 4004
- RESM 4001, RESM 4002, RESM 4003, RESM 4004, RESM 4005, RESM 4006, RESM 4007, RESM 4008, RESM 4009, RESM 4010, RESM 4011
- SOIL 2000, SOIL 3000, SOIL 3001, SOIL 4001
- SPEC 2000, SPEC 2001, SPEC 4001, SPEC 4002, SPEC 4003, SPEC 4004, SPEC 4005, SPEC 4006, SPEC 4007, SPEC 4008, SPEC 4010, SPEC 4011, SPEC 4012, SPEC 4014

Approved Languages and Humanities/Social Sciences Electives

Courses in the following subject areas, and the additional specific courses listed below, meet the Languages and Humanities/Social Sciences elective requirements:

- Languages and Humanities: EGLA (English), ARTS (Art), HISA (History), FRNA (French), SPNA (Spanish), PHLA (Philosophy)

- Social Sciences: ECOA (Economics)*, EXTE (Extension Education), CMMT (Communications), GEOG (Geography), HISA (History), PSYC (Psychology), POLS (Political Science), RURS (Rural Studies), SOCI (Sociology)
- AGRI 3001: Issues in Agricultural Health and Safety
- HORT 3008: Horticultural Therapy
- IAGR 2002: International Rural Development
- IAGR 2003: Food Security and Rural Development in Cuba
- SPEC 4009: Special Topics in Rural Studies

*Students taking majors or minor in Agricultural Business or Agricultural Economics cannot use ECOA courses for completion of their Languages and Humanities/Social Sciences Electives.

BSc (Agr) - Agricultural Business

Required Courses & Suggested Schedule

Year II: Semester III

ECOA 2000: Intermediate Microeconomics
 ECOA 3000: Mathematical Economics
 MGTA 2002: Marketing
 MGTA 2004: Financial Accounting
 MGTA 3001: International Marketing or elective (three credit hours)*

Year II: Semester IV

ECOA 1001: Principles of Macroeconomics
 MGTA 3002: Consumer Behaviour or elective (three credit hours)*
 STAA 2000: Introduction to Statistics
 six credit hours of electives

Year III: Semester V

ECOA 3006: Statistics for Economics & Business
 MGTA 3009: Financial Management
 MGTA 3000: Management Accounting
 six credit hours of electives

Year III: Semester VI

ECOA 3002: Agricultural & Food Policy
 ECOA 3003: Mathematical Programming
 MGTA 4001 Advanced Entrepreneurship
 six credit hours of electives

Year IV: Semester VII

MGTA 4000 Strategic Management
 RESM 4004: Research Methods for Economics & Business
 nine credit hours of electives

Year IV: Semester VIII

RESM 4005: Project-Seminar for Economics & Business|
 12 credit hours of electives
 Electives must include:

- six credit hours of Languages and Humanities/Social Science courses which cannot be from the ECOA destination and three credit hours of these must be at the 3000 level or above.
- 12 credit hours of approved Agricultural Courses.

* Students must complete either MGTA 3001 or MGTA 3002

BSc (Agr) - Agricultural Economics

Required Courses & Suggested Schedule

Year II: Semester III

ECOA 2000: Intermediate Microeconomics
 ECOA 2003: Agricultural Futures and Options
 ECOA 3000: Mathematical Economics
 MGTA 2002: Marketing
 MGTA 2004: Financial Accounting

Year II: Semester IV

ECOA 1001: Principles of Macroeconomics
 ECOA 2004: Issues in Environmental Economics
 STAA 2000: Introduction to Statistics
 six credit hours of electives

Year III: Semester V

ECOA 2001: Intermediate Macroeconomics
 ECOA 3006: Statistics for Economics and Business
 ECOA 4004: Trade
 MGTA 3009: Financial Management
 three credit hours of electives

Year III: Semester VI

ECOA 3002: Agricultural & Food Policy
 ECOA 3003: Mathematical Programming
 ECOA 3004: Agricultural Markets & Prices
 six credit hours of electives

Year IV: Semester VII

RESM 4004: Research Methods for Economics & Business
 12 credit hours of electives

Year IV: Semester VIII

RESM 4005: Project-Seminar for Economics & Business
 12 credit hours of electives
 Electives must include:

- six credit hours of Languages and Humanities/Social Science courses which cannot be from the ECOA destination and three credit hours must be at the 3000 level or above.
- three credit hours of approved Agricultural Courses.

BSc (Agr) - Animal Science

Required Courses & Suggested Schedule

Year II: Semester III

ANSC 2005: Animal Agriculture
CHMA 2000: Organic Chemistry I
GENE 2000: Genetics
PHYS* or
STAA 2000*: Introduction to Statistics
three credit hours of electives

Year II: Semester IV

BIOA 2006: Mammalian Physiology
CHMA 3001: Biochemistry
PHYS* or
STAA 2000*: Introduction to Statistics
six credit hours of electives

Year III: Semester V

BIOA 3008: Growth , Reproduction and Lactation
NUTR 3000: Animal Nutrition
nine credit hours of electives

Year III: Semester VI

ANSC 3000: Animal Breeding
NUTR 3001: Applied Animal Nutrition
nine credit hours of electives****

Year IV: Semester VII

RESM 4002: Animal Science Project-Seminar I
12 credit hours of electives****

Year IV: Semester VIII

RESM 4003: Animal Science Project-Seminar II
12 credit hours of electives ****

Electives must include:

- six credit hours of Languages and Humanities/Social Science courses of which three credit hours must be at the 3000 level or above.
- nine credit hours of approved Agricultural Courses.
- 12 credit hours of approved Animal Science electives at the 3000 or 4000 level from the following list:
- ANSC 3001, ANSC 3002, ANSC 3003, ANSC 3004, ANSC 3005, ANSC 3006, ANSC 4000, ANSC 4003, ANSC 4004, ANSC 4005, ANSC 4006, ANSC 4007, ANSC 4008, ANSC 4009
- AQUA 3000, AQUA 4000, AQUA 4001
- BIOA 3004, BIOA 3005, BIOA 3006, BIOA 4000, BIOA 4001, BIOA 4004
- GENE 3001, GENE 4000
- NUTR 3002, NUTR 4000
- SPEC 4000

* Physics - Students must complete the combination of PHYS 1000 or PHYS 1002 and STAA 2000 in year II. If PHYS 1000 or PHYS 1002 is done in semester I, then STAA 2000 will be done in semester II. If STAA is done in semester I, then PHYS 1000 or PHYS 1002 will be in semester II.

BSc (Agr) - Aquaculture

Required Courses & Suggested Schedule

Year II: Semester III

AQUA 2000: Introduction to Aquaculture
CHMA 2000: Organic Chemistry I
GENE 2000: Genetics
PHYS*: or
STAA 2000*: Introduction to Statistics
three credit hours of electives

Year II: Semester IV

CHMA 3001: Biochemistry
APSC 2004: Aquacultural Environment
MCRA 2000: Microbiology
PHYS*: or
STAA 2000*: Introduction to Statistics
three credit hours of electives

Year III: Semester V

BIOA 3005: Physiology of Aquatic Animals
BIOA 3006: Aquatic Ecology
NUTR 3000: Animal Nutrition** or elective (three credit hours)
MGTA****
three credit hours of electives

Year III: Semester VI

ANSC 3000: Animal Breeding
AQUA 3000: Fish Health
APSC 3013: Aquacultural Systems Technology
NUTR 3002: Fish Nutrition ** or elective (three credit hours)
three credit hours of electives

Year IV: Semester VII

AQUA 4000: Finfish Production***
RESM 4010: Aquaculture Project-Seminar I
nine credit hours of electives

Year IV: Semester VIII

AQUA 4001: Shellfish Production***
RESM 4011: Aquaculture Project-Seminar II
nine credit hours of electives

* Physics - Students must complete the combination of PHYS 1000 or PHYS 1002 and STAA 2000 in year II. If PHYS 1000 or PHYS 1002 is done in semester I, then

STAA 2000 will be done in semester II. If STAA is done in semester I, then PHYS 1000 or PHYS 1002 will be in semester II.

** Students must complete either NUTR 3000 or NUTR 3002.

*** Students must complete either AQUA 4000 or AQUA 4001.

****Students must complete either MGTA 1004 or MGTA 2002 or MGTA 2004

Electives must include:

- six credit hours of Languages and Humanities/Social Science courses of which three credit hours must be at the 3000 level or above.
- three credit hours of approved Agriculture courses.

BSc (Agr) - Environmental Sciences

Required Courses & Suggested Schedule

Year II: Semester III

CHMA 2000: Organic Chemistry I
ENVA 2000: Environmental Studies I
SOIL 2000: Introduction to Soil Science
STAA 2000: Introduction to Statistics
three credit hours of electives

Year II: Semester IV

CHMA 3001: Biochemistry or
CHMA 3009: Environmental Chemistry
ENVA 2001: Environmental Studies II
MCRA 2000: Microbiology
STAA 3000: Introduction to Planned Studies: Surveys & Experiments
three credit hours of electives

Year III: Semester V

BIOA 3001: Ecology
CHMA 3010: Bio-Analytical Chemistry or
ENVA 4005: Geographic Information Systems (GIS)
ENVA 3001: Environmental Sampling & Analysis
PHYS 1000: Physics for the Life Sciences* or
PHYS 1002: Physics I* or three credit hours of electives
three credit hours of electives

Year III: Semester VI

ENVA 3002: Waste Management & Site Remediation
PHYS 1000: Physics for the Life Sciences I* or
PHYS 1002: Physics I* or three credit hours of electives
nine credit hours of electives

Year IV: Semester VII

ENVA 3004: Principles of Pest Management
ENVA 4006: Air, Climate and Climate Change
HORT 3000: Environmental Processes & Natural Landscape Functions

RESM 4006: Environmental Sciences Project Seminar I
three credit hours of electives

Year IV: Semester VIII

ENVA 3000: Environmental Impact Assessment
RESM 4007: Environmental Sciences Project-Seminar II
nine credit hours of electives

* Physics - Students must complete either PHYS 1000 or PHYS 1002 but not both for credit.

Within the Environmental Sciences major, students may select any one of the following areas of specialization:

- Environmental Biology
- Environmental Chemistry
- Environmental Soil Science
- Pest Management
- Waste Management

Interested students are to consult with the academic advisor.

Electives must include:

- six credit hours of Languages and Humanities/Social Science courses of which three credit hours must be at the 3000 level or above.
- Students who complete CHEM 3010 must include six credit hours of approved Agriculture electives. Students who complete ENVA 4005 must include three credit hours of approved Agriculture electives.

BSc (Agr) - Integrated Environmental Management

Required Courses & Suggested Schedule

Year II: Semester III

APSC 2002: Bioresource Systems Analysis
APSC 2011: Technology for Precision Agriculture
APSC 2012: Introduction to Bioresource Science
PHYS 1000: Physics for Life Sciences I* or
STAA 2000: Introduction to Statistics*
three credit hours of electives

Year II: Semester IV

APSC 1003: Practices & Mechanics of Materials
ENGN 2014: Bioresource Processing
APSC 3001: Electrotechnology
PHYS 1000: Physics for Life Sciences I* or
STAA 2000: Introduction to Statistics*
three credit hours of electives

Year III: Semester V

APSC 2013: Machinery & Building Technology
APSC 3020: Energy Production & Utilization
ENVA 3021: Ecohydrology
six credit hours of electives

Year III: Semester VI

ENGN 3016: Engineering Economy
ENVA 3002: Waste Management & Site Remediation
MGTA 1004: Introduction to Business
RESM 4000: Bio-Environmental Systems Management Project Seminar I
three credit hours of electives

Year IV: Semester VII

APSC 4006: Wastewater Management
RESM 4001: Bio-Environmental System Management Project Seminar II
nine credit hours of electives

Year IV: Semester VIII

APSC 4004: Energy Conversion & Assessment
APSC 4005: Waterscape Ecology & Management
nine credit hours of electives

* Physics - Students must complete the combination of PHYS 1000 and STAA 2000 in year II. If PHYS 1000 is done in semester III, then STAA 2000 will be done in semester IV. If STAA is done in semester III, then PHYS 1000 will be done in semester IV.

Electives must include:

- six credit hours of Languages and Humanities/Social Science courses of which three credit hours must be at the 3000 level or above.
- three credit hours of approved Agriculture electives

BSc (Agr) - Plant Science

Required Courses & Suggested Schedule

Year II: Semester III

BIOA 2000: Cell Biology
BIOA 2008: Plant Diversity
CHMA 2000: Organic Chemistry I
GENE 2000: Genetics
SOIL 2000: Introduction to Soil Science

Year II: Semester IV

BIOA 2002: Plant Physiology
BIOA 2004: Structural Botany
CHMA 3001: Biochemistry
MCRA 2000: Microbiology
three credit hours of electives

Year III: Semester V

BIOA 3000: General Entomology
BIOA 3002: Weed Science
STAA 2000: Introduction to Statistics or
three credit hours of electives
six credit hours of electives

Year III: Semester VI

BIOA 2005: Principles of Plant Pathology
RESM 4008: Plant Science Project Seminar I
SOIL 3000: Soil Fertility & Nutrient Management or
three credit hours of electives
STAA 2000: Introduction to Statistics or
three credit hours of electives
three credit hours of electives

Year IV: Semester VII

PLSC 4002: Plant Ecophysiology
RESM 4009: Plant Science Project Seminar II
nine credit hours of electives

Year IV: Semester VIII

SOIL 3000: Soil Fertility & Nutrient Management or
three credit hours of electives
12 credit hours of electives

Electives must include:

- six credit hours of Languages and Humanities/Social Science courses of which three credit hours must be at the 3000 level or above.
- six credit hours Plant Science Production courses from the following list: AGRN 2000, AGRN 2001, AGRN 2002, AGRN 2008, HORT 2000, HORT 2001, HORT 2004, HORT 2006, HORT 2007, HORT 2009, HORT 2010, HORT 4002, PLSC 1000, PLSC 2000, PLSC 3000.

Diploma in Engineering

Required Courses & Suggested Schedule

Year I Semester I

CHMA 1000: General Chemistry I
ENGN 1001: Engineering Design I
ENGN 1002: Engineering I
ENGN 1006: Introduction to Professional Engineering in Canada
MTHA 1000: Introduction to Calculus I
PHYS 1002: Physics I

Year I Semester II

CHMA 1001: General Chemistry II
CSCA 2000: Computer Science
ENGN 3006: Engineering II
MTHA 1001: Introduction to Calculus II
MTHA 3000: Applied Linear Algebra
PHYS 1003: Physics II

Year II Semester III

ENGN 3000: Electric Circuits
ENGN 3002: Thermo-fluids I
MTHA 2000: Multivariable Calculus
six credit hours Discipline - Specific (see list below)
* Writing Elective I

Year II Semester IV

ENGN 3016: Engineering Economy
ENGN 3017: Engineering Design II
MTHA 2001: Differential Equations
STAA 2001: Probability & Statistics for Engineering
Three credit hours Discipline - Specific (see list below)
* Writing Elective II

Required Discipline-specific courses:

Semester III:

Chemical: ENGN 2202 & BIOA 1030 + Writing Elective I
Civil: ENGN 2005, Writing Elective I & Writing Elective II
Electrical/Computer: ENGN 3004 & BIOA 1030 + Writing Elective I
Environmental: ENGN 2202 & BIOA 1030 + Writing Elective I
Industrial: ENGN 2202 & BIOA 1030 + Writing Elective I
Materials (Metallurgical): ENGN 2202 & BIOA 1030 + Writing Elective I
Mechanical: ENGN 2005 & BIOA 1030 + Writing Elective I
Mineral Resources: ENGN 2202 & Humanities & Social Sciences Elective + Writing Elective I

Semester IV

Chemical: ENGN 2014 + Writing Elective II
Civil: ENGN 3011 & GELA 2000
Electrical: ENGN 3008 + Writing Elective II
Environmental: ENGN 2014 + Writing Elective II
Industrial: ENGN 2014 + Writing Elective II
Materials: ENGN 2014 + Writing Elective II
Mechanical: ENGN 3011 + Writing Elective II
Mineral Resources: GELA 2000 + Writing Elective II

Writing I and II course electives: Any of the following courses qualify - EGLA 1000, EGLA 1001, EGLA 1002, GEOA 1000, SOCI 1000.

Humanities and Social Sciences Electives: Any H (Humanities) designated course with the exception of ECOA courses.

Pre-Veterinary Medicine Studies

The Faculty of Agriculture offers the courses needed to apply to the Atlantic Veterinary College (University of Prince Edward Island). Students intending to apply to Veterinary Medicine at UPEI or another University may register in the Bachelor of Science (Agriculture) with an undeclared major in Pre-Veterinary Studies. Students will be exposed to animals such as sheep, cattle, and poultry. Students can take part in the active Pre-Vet Club and volunteer to help with lambing, milking, or egg collection on the Agricultural Campus.

Students should consult section 14 of the Academic Regulations and with the Atlantic Veterinary College for specific admission requirements. The following is the recommended courses and schedule. For a detailed list of acceptable classes please visit www.dal.ca/agriculture. After year two students may opt to complete the Bachelor of Science (Agriculture).

Year I Semester I

AGRI 1000: Agricultural Ecosystems
BIOA 1002: Biology I
CHMA 1000: General Chemistry I
EGLA 1000: Composition
MTHA 1000: Introduction to Calculus I

Year I Semester II

BIOA 1003: Biology II
CHMA 1001: General Chemistry II
ECO A 1000: Principles of Microeconomics
EGLA 1001: The Novel
MTHA 1001: Introduction to Calculus II

Year II Semester III

ANSC 2005: Animal Agriculture
CHMA 2000: Organic Chemistry
GENE 2000: Genetics
PHYS **: Physics or
STAA 2000: Introduction to Statistics
three credit hours of Languages and Humanities/Social Sciences electives chosen from:

- AGRI 3001
- ARTS 2000
- CMMT 3000
- EGLA 1000, EGLA 1001, EGLA 1002, EGLA 1005, EGLA 3000
- EXTE 3001
- FRNA 1000, FRNA 1001
- GEOA 1000, GEOA 3000
- HISA 1000, HISA 1001, HISA 3000
- HORT 3008
- IAGR 2002, IAGR 2003
- PHLA 3000
- any ECOA course except ECOA 1000
- POLS 1000, POLS 1001
- PSYC 1000, PSYC 1001
- RURS 3000
- SOCI 1000, SOCI 1001, SOCI 3000
- SPNA 1000, SPNA 1001
- SPEC 4009

Year II Semester IV

BIOA 2006: Mammalian Physiology
CHMA 3001: Biochemistry
MCRA 2000: Microbiology
PHYS **: Physics or
STAA 2000: Introduction to Statistics
three credit hours of Languages and Humanities/Social Sciences electives chosen from:

- AGRI 3001
- ARTS 2000
- CMMT 3000
- EGLA 1000, EGLA 1001, EGLA 1002, EGLA 1005, EGLA 3000
- EXTE 3000
- FRNA 1000, FRNA 1001
- GEOA 1000, GEOA 3000
- HISA 1000, HISA 1001, HISA 3000
- HORT 3008
- IAGR 2002, IAGR 2003
- PHLA 3000
- POLS 1000, POLS 1001
- PSYC 1000, PSYC 1001
- RURS 3000
- SOCI 1000, SOCI 1001, SOCI 3000
- SPNA 1000, SPNA 1001
- SPEC 4009
- any ECOA course except ECOA 1000

** PHYS 1000 Physics for Life Sciences I or PHYS 1002 Physics I

Minors

The purpose of a minor is to attain a significant body of knowledge within a specific discipline that is outside of the student's major or substantially exceeds what a student would obtain through studies in their major. Students may take a minor in one of the areas listed below as part of the BSc (Agr) degree program. Students who wish to take a minor must meet the requirements for a major in their chosen discipline.

Please see Minors section for the following:

- Minor in Agricultural Business
- Minor in Agricultural Chemistry
- Minor in Agricultural Economics
- Minor in Animal Science
- Minor in Animal Welfare
- Minor in Aquaculture
- Minor in Environmental Sciences
- Minor in Food Bioscience
- Minor in Genetics & Molecular Biology
- Minor in Mathematics
- Minor in Pest Management
- Minor in Plant Science

Bachelor of Technology - Environmental Landscape Horticulture

Required Courses & Suggested Schedule

The Bachelor of Technology Environmental Landscape Horticulture is designed to prepare students for a career in the landscape horticulture profession. It will prepare students to work successfully in the diverse landscape industry or to create their own business within the industry. Years one and two of the program are satisfied by the successful completion of the Diploma of Technology - Managed Landscapes or a two year landscape-related program approved by the Department of Environmental Sciences. Students who wish to pursue graduate studies should take RESM 4006 and RESM 4007.

Year III: Semester V

BIOA 2008: Plant Diversity
CHMA 1000: General Chemistry I
APSC 3019: Communications Technology
ENVA 2000: Environmental Studies I
HORT 3000: Environmental Processes & Natural Landscape Functions

Year III: Semester VI

ENVA 2001: Environmental Studies II
MGTA 1000: Small Business Entrepreneurship
HORT 2009: Landscape Plant Nursery Management
PLSC 3000: Theory & Practice of Plant Propagation
SOIL 2000: Introduction to Soil Science* or Three credit hours of electives

Year IV: Semester VII

ENVA 3004: Principles of Pest Management
ENVA 4005: Geographic Information Systems (GIS)
HORT 3001: Landscape Project Management
HORT 4000: Urban Tree Management
three credit hours of electives

Year IV: Semester VIII

APSC 3015: Irrigation & Drainage or three credit hours of electives
HORT 2005: Design & Construction of Turf Facilities
HORT 3008: Horticultural Therapy

six credit hours of electives

* Students who have not met the Soil Science requirements of the Diploma of Technology - Managed Landscapes will be required to take SOIL 2000.

Bachelor of Technology - Landscape Architecture

The Bachelor of Technology in Landscape Architecture program focuses on designing and creating functional spaces, using an interdisciplinary approach that includes horticultural and engineering skills and applies ecological and environmental knowledge to provide site-specific solutions. This program encourages students to be in tune with natural ecosystems and apply a creative mindset to tackle various environmental and design challenges. Students will be prepared to challenge, innovate and make a difference in the environment. The foundation of the program is the idea of sustainability as a key part of landscape development. This is a multi-disciplinary education and training, which includes engineering, horticulture, architectural design and the environment.

Year 1 Semester I

EGLA 0101 Writing for Business
HORT 1000 Landscape Plants I
HORT 1002 Turfgrass Production and Management
HORT 1003 Landscape Horticulture I
SOIL 0100 Principles of Soil Science
ENGN 1001 Engineering Design I

Semester II

APSC 0101 Horticultural Technology
HORT 1001 Landscape Plants II
HORT 1005 Landscape Installation
HORT 2012 Landscape Maintenance
Elective

Year 2 Semester III

ARTS 2000 Nature's Image: A Survey of Landscape Art
APSC 0100 Surveying
HORT 1004X/Y Landscape Plants III (full year)
HORT 2011 Arboriculture
HORT 2013 Landscape Horticulture II

Semester IV

HORT 1004X/Y Landscape Plants III (full year)
HORT 2008 Residential Landscape Design and Construction
LARC 2000 Landscape CAD I
MGTA 1004 Introduction to Business
SOIL 0200 Soil Management
Elective

Year 3 Semester V

ENVA 2000 Environmental Studies I
HORT 3000 Environmental Processes and Natural Landscape Functions
ENVA 4005 Geographic Information Systems
APSC 3019 Communications Technology
LARC 3000 Landscape CAD II: Introduction to 3D

Semester VI

ENVA 2001 Environmental Studies II

CMMT 3000 Communication Theory and Skills
LARC 2001 History of Landscape Architecture
LARC 3001 Landscape Presentation Techniques
HORT 2005 Design and Construction of Turf Facilities

Year 4 Semester VII

HORT 3001 Landscape Project Management
ENVA 3021 Ecohydrology
LARC 4000 Construction and Detailing
LARC 4001 Landscape Architecture Studio I
HORT 4000 Urban Tree Management

Semester VIII

HORT 3008 Horticulture Therapy
LARC 4002 Landscape Architecture Studio II
APSC 3015 Irrigation and Drainage
Elective

Certificate Programs

Certificate of Specialization in Organic Agriculture

The Certificate of Specialization in Organic Agriculture initiative provides students with an opportunity to specialize in the expanding area of organic agriculture. The Certificate of Specialization in Organic Agriculture enables students to approach agriculture from their area of interest, to know they can be recognized for this accomplishment, and to continue to take other courses in agriculture toward a degree. Any student who has successfully completed four of the eligible organic agriculture credit courses and has an overall GPA of at least 2.0 in these courses can apply to receive a Certificate of Specialization in Organic Agriculture. Two of the courses may be substituted with approved organic agriculture courses offered by external institutions (see below). A Letter of Permission is required for these alternative courses.

Eligible Courses

AGRI 2000: Transition to Organic Agriculture
AGRN 2000: Organic Field Crop Management
ANSC 2004: Organic Livestock Production
ENVA 2002: Composting and Compost Use
HORT 2001: Principles of Organic Horticulture

Note: Students will not be required to take the courses in any particular order. AGRI 2000, ENVA 2002, and HORT 2001 are currently offered in the Fall semester. AGRN 2000 and ANSC 2004 are currently offered in the Winter semester.

All courses in the Certificate of Specialization in Organic Agriculture program are offered only through web-based distance education. Other institutions offering web-based courses that are approved for the certificate program:

- McGill University (Organic Soil Fertilization)
- Université Laval [French translation of courses AGRI 2000, AGRN 2004, ANSC 2004, and ENVA 2002]*
- University of British Columbia (Key Indicators of Agroecosystem Sustainability)
- University of Guelph (Organic Marketing)
- University of Manitoba (Organic Crop Production on the Prairies)
- University of Saskatchewan (Weed Control in Organic Agriculture)

* A student cannot receive credit for the same course in both French and English.

Certificate in Technology Education

The Certificate in Technology Education Program is intended to upgrade and diversify the technology background of Technology Education teachers presently working in Nova Scotia schools. It is approved in Nova Scotia by the Minister of Education for teaching license upgrading. This program is an innovative collaboration between the Faculty of Agriculture and Nova Scotia's Technology Education Teachers Association, the Nova Scotia Department of Education, and Acadia University. The program provides a variety of hands-on experiences and teaching methodologies that strengthen traditional skills and introduce new technologies to better meet the

demand for qualified technology educators for the public school system.

Instruction is conducted outside regular school hours, in evening or summer sessions.

Students must complete 30 credit hours of approved courses with a cumulative GPA of 2.0. Twenty four credit hours must be from the Faculty of Agriculture course list; the remaining six credit hours are teaching methodology courses offered by Acadia University. The program must be completed in a maximum of six years. Courses can be taken in any sequence. The offering of this program is subject to and sufficient enrolment.

Required Courses (eight required)

ENGN 1001: Engineering Design I
APSC 1003: Practices and Mechanics of Materials
APSC 1004: Wood Construction Technology
APSC 1005: Metal Construction Technology
APSC 2000: Environmental Impacts and Resource Management
APSC 2007: Fluid Power Technology
APSC 2008: Digital Electronics and Computer Interfacing
APSC 3001: Engineering Measurements and Controls
APSC 3018: Technology Modules
APSC 3019: Communications Technology

Acadia Courses

EDUC 5053: Problems in Education: Technological Education and Sustainability
EDUC 5873: Technology & Curriculum: Technology Studies

Note: It is the responsibility of individual teachers to ensure that they comply with the requirements of the NS Department of Education for continuing education and upgrades. For more information, see certification.ednet.ns.ca/approval_upgrading.shtml.

Diploma in Technology - Business Management

The Diploma in Technology - Business Management is a program designed to provide the fundamentals of business management and at the same time allow students to concentrate in one of the following areas: Agriculture, Dairy Farming, Equine Studies, Greenhouse and Nursery, or Pet Studies. This two-year diploma provides students with the management, communication, and leadership skills necessary to manage a business such as a farm, a stable, or a pet related or greenhouse and nursery retail operation. Careers in marketing, sales, or service are other options.

This diploma is a unique mix of technical-credit courses and courses designated as workplace readiness courses (non-credit). The workplace readiness courses develop the practical skills and knowledge required to work in business and in the area of concentration. The workplace readiness courses common to all the options include: career preparation, public speaking, first aid, Occupational Health and Safety (OHS), Workplace Hazardous Materials Information System (WHMIS), business ethics, and professionalism. Specialty workplace readiness courses are specific to the area chosen, e.g., Hazard Analysis and Critical Control Point (HACCP) and livestock medicines for the dairy farming and Agriculture options. Some of these courses will be scheduled throughout the semester, and others will be offered at the beginning of the semester. Students may be required to bring protective clothing and footwear, depending on the option chosen.

Some of the options - Agriculture, and Greenhouse and Nursery - have an internship requirement for the spring and summer semesters. Students will be expected to obtain employment in their area of specialty and complete a designated list of competencies. The employer will be expected to complete an assessment of the student's performance. See the course descriptions for more details.

Pathway to Bachelor of Science (Agriculture) Major In Agricultural Business Degree

Students who graduate from the Diploma in Technology Business Management program have the option of continuing their studies in the Bachelor of Science (Agriculture) program. Students who graduate from the Diploma in Technology Business Management program are awarded a minimum of 30 credit hours toward the BSc (Agriculture) degree, provided all other program requirements are met. In addition, in consultation with the academic advisor, DBM students may identify additional elective courses that are available to transfer for credit towards the BSc (Agriculture) program. Diploma in Technology Business Management students interested in exploring or developing a pathway to the BSc (Agriculture) are strongly encouraged to meet with their academic advisor early in their program.

Diploma in Technology - Business Management Concentrations

Agriculture

Students planning to operate/manage a farm or who wish to work in the agricultural industry in sales or service should choose this specialization. Along with the primary emphasis on business, students pick and choose among a number of livestock, field crop, or horticulture electives to develop a program best suited to their long-term career interests.

Required Courses

Year I Semester I

ACAD 0020: Skills for Academic Success*
ANSC 0112: Animal Biology and Management or
PLSC 0100: Utilization of Plant Resources
ECO A 0100: Introductory Microeconomics
EGLA 0101: Writing For Business
MTHA 0100: Business Math
MGTA 0100: Accounting
SOIL 0100: Principles of Soil Science

Year I Semester II

CMMT 0020: Career and Employment Skills*
MGTA 0101: Applied Accounting & Taxation
MGTA 1004: Introduction to Business
SOIL 0200: Soil Management
Elective**
Elective**
Elective**

Year I Semester III (Spring/Summer)

INTA 0100: Internship

Year II Semester IV

APSC 0200: Environmental Management
MGTA 0020: Business Leadership, Ethics, and Professionalism*
MGTA 0204: Financial Management
MGTA 2002: Marketing
Elective**
Elective**
Elective**

Year II Semester V

CMMT 0021: Introduction to Public Speaking*
ECO A 0202: Production Economics
FOOD 0020: Topics in Agriculture and Food Enterprise Management*
MGTA 0201: Business Project
MGTA 2000: Human Resource Management
MGTA 2001: Introduction to Business Law
Elective**

Elective**

Required Workplace Readiness certificates:

WHMIS, First Aid, OHS, Farm Safety, On-farm HACCP or QA, Livestock Medicines course (for students interested in livestock production)

* Workplace Readiness course

** Students can select elective courses from a number of areas (both degree and diploma, provided prerequisites are met) including agronomy, horticulture, and animal science. Distance Education courses on specific topic areas such as beef and sheep are also available. APSC 2010 Technology in Precision Agriculture is highly recommended for students interested in crop production. Students will need to consult with the Agriculture Program Advisor to assist in the selection of courses best suited to their future career plans.

Dairy Farming

This specialization is designed for students interested in a career in the dairy industry, whether it is operating their own dairy farm, working as a herds person, or employed in sales or service for the dairy industry.

Required Courses

Year I Semester I

ACAD 0020: Skills for Academic Success*

ANSC 0020: Dairy Industry I*

ANSC 0112: Animal Biology and Management

ECOA 0100: Introductory Microeconomics

EGLA 0101: Writing For Business

MTHA 0100: Business Math

MGTA 0100: Accounting

SOIL 0100: Principles of Soil Science

Year I Semester II

AGRN 2002: Forage-Based Cropping Systems

ANSC 0021: Dairy Industry II*

ANSC 0113: Principles of Animal Welfare & Husbandry

ANSC 0114: Animal Feed and Nutrition Management

ANSC 0205: Optimizing Bovine Reproductive and Genetic Performance

CMMT 0020: Career and Employment Skills*

MGTA 0101: Applied Accounting & Taxation

SOIL 0200: Soil Management

Year II Semester III

AGRN 2001: Cereal-Based Cropping Systems

ANSC 0206: Managing Dairy Milking Systems and Housing Facilities

APSC 0200: Environmental Management

APSC 0201: Machinery and Building Technology

MGTA 0020: Business Leadership, Ethics, and Professionalism*

MGTA 0204: Financial Management

MGTA 2002: Marketing

Year II Semester IV

ANSC 0204: Dairy Herd Health and Nutrition Management

ANSC 0207: Records Management and Decision-making for Dairy Herds

CMMT 0021: Introduction to Public Speaking*

ECOA 0202: Production Economics

MGTA 2001: Introduction to Business Law

MGTA 0201: Business Project

MGTA 2000: Human Resource Management

Required Workplace Readiness certificates and experience:

WHMIS, First Aid, OHS, Farm Safety, On-farm HACCP, Dairy Medicines course, Dairy Skills experience**

* Workplace Readiness course

** Students will be expected to complete two weeks of work experience at the Agricultural Campus dairy farm as part of the requirements for the program. This work experience normally is completed in the first year.

Equine Studies

This concentration is designed specifically for those students interested in someday owning or managing an equine-related business. It provides students who have a passionate interest in horses the opportunity to study something they love and at the same time receive a solid business education that is directly transferable to any type of business operation.

Required Courses

Year I Semester I

ACAD 0020: Skills for Academic Success*
ANSC 0022: Equine Industry*
ANSC 0112: Animal Biology and Management
ECOA 0100: Introductory Microeconomics
EGLA 0101: Writing For Business
MTHA 0100: Business Math
MGTA 0100: Accounting
SOIL 0100: Principles of Soil Science

Year I Semester II

AGRN 2002: Forage-Based Cropping Systems
ANSC 0113: Principles of Animal Welfare and Husbandry
ANSC 0114: Animal Feed and Nutrition Management
CMMT 0020: Career and Employment Skills*
MGTA 0101: Applied Accounting & Taxation
MGTA 1004: Introduction to Business
SOIL 0200: Soil Management

Year II Semester III

ANSC 0213: Equine Growth & Nutrition
ANSC 2006: Equine Health, Genetics and Reproduction
APSC 0200: Environmental Management
MGTA 0020: Business Leadership, Ethics, and Professionalism*
MGTA 2009: Customer Relations Management
MGTA 0204: Financial Management
MGTA 2002: Marketing

Year II Semester IV

ANSC 0215: Equine Facilities Management
ANSC 0216: Equine Health & Fitness
ANSC 0219: Equine Behaviour & Learning
CMMT 0021: Introduction to Public Speaking*
MGTA 2001: Introduction to Business Law
MGTA 0201: Business Project
MGTA 2000: Human Resource Management

Required Workplace Readiness certificates:

WHMIS, First Aid, OHS, Work Safety, Equine Medicines course

* Workplace Readiness course

Diploma in Technology Managed Landscapes

The Diploma in Technology Managed Landscapes is a two-year program which helps prepare students for careers with landscaping firms, planning agencies, recreational parks, or institutions, or in self-employed roles as landscape horticultural technologists.

The Diploma in Technology Managed Landscapes is a fully approved Certified Horticultural Technician integrated educational program, recognized by the International Certification Council (ICC) and the Certification Committee of the Canadian Nursery Landscape Association (CNLA). Interested students can apply for a Passport to Certification that enables modular training and testing toward international recognition as a Certified Horticultural Technician. The curriculum fully encompasses the requirements for certification in various industry sectors.

Students who successfully complete the Diploma in Technology Managed Landscapes with a cumulative average of at least 2.0 are eligible for admission to the two-year Bachelor of Technology Environmental Landscape Horticulture program, as years one and two of the BTech Environmental Landscape Horticulture program are satisfied by the successful completion of the Diploma.

Required Courses

Year I Semester I

EGLA 0101: Writing for Business
HORT 1000: Landscape Plants I
HORT 1002: Turfgrass Production and Management
HORT 1003: Landscape Horticulture I
SOIL 0100: Principles of Soil Science

Year I Semester II

BIOA 0102: Plant Physiology and Stress Management
APSC 0101: Horticultural Technology
HORT 1001: Landscape Plants II
HORT 1005: Landscape Installation
HORT 2012: Landscape Maintenance

Year II Semester III

BIOA 0200: Entomology
APSC 0100: Surveying
HORT 1004X: Landscape Plants III
HORT 2011: Arboriculture
HORT 2013: Landscape Horticulture II

Year II Semester IV

BIOA 0101: Plant Pathology
BIOA 0103: Weed Science
HORT 1004Y: Landscape Plants III
HORT 2008: Residential Landscape Design and Construction
SOIL 0200: Soil Management
Elective

Required Workplace Readiness certificates:

WHMIS, First Aid, OHS

Recommended Workplace Readiness courses:

CMMT 0020 Career and Employment Skills
CMMT 0021 Introduction to Public Speaking

Diploma in Technology Plant Science

The two-year Diploma in Technology Plant Science program prepares graduates for exciting careers in the dynamic plant-based industries of the future. Emerging information and technology related to bio-energy, nutrition, health, environmental protection, and plant genetics will make a plant science education a valuable asset. This program provides an innovative approach to the production and use of plant resources, with emphasis on responsible environmental and social stewardship, commercialization of ideas and strong practical skills in horticultural or agronomic plant production techniques, entrepreneurship, problem-solving, communication, and decision-making, all built on a solid foundation in the bio-sciences.

Studies begin with a first year of required courses that allow students to build their knowledge in the bio-sciences, plant production, and business, and to develop their interests. The program then provides the opportunity in the second year to select from a wide variety of courses to give each student the flexibility to match courses to their interests and career goals. With the help of a knowledgeable program advisor, students can choose from courses in edible horticulture, ornamental horticulture, agronomy, plant science, business, or engineering.

Pathway to Bachelor of Science (Agriculture) Major in Plant Science Degree

Students who graduate from the Diploma in Technology Plant Science program have the ability to make significant progress towards the completion of the BSc (Agriculture) major in Plant Science degree program. Students who graduate from the technology program are awarded a minimum of 30 credit hours toward the BSc (Agriculture) degree, provided all other program requirements are met. In addition, in consultation with the Plant Science Technology Academic Advisor, students can identify additional elective courses that will transfer for credit toward the BSc (Agriculture) major in Plant Science degree program. Plant Science students interested in exploring a pathway from the Diploma to the BSc (Agriculture) are strongly encouraged to meet with their academic advisor early in their program.

Required Courses

Year I Semester I

BIOA 0200: Entomology
EGLA 0101: Writing for Business
MGTA 0100: Accounting
PLSC 0100: Utilization of Plant Resources
PLSC 0200: Plant Propagation
SOIL 0100: Principles of Soil Science

Year I Semester II

BIOA 0102: Plant Physiology and Stress Management
BIOA 0103: Weed Science
BIOA 0101: Plant Pathology
CSCA 1000: Computer Methods
MGTA 1004: Introduction to Business
MGTA 2000: Human Resource Management

Semester III and Semester IV

Twenty four credit hours (six courses in each semester) chosen in consultation with a program advisor. One course (PLSC 0202), if chosen, is taken during the Spring/Summer between Semesters II and III.

Recommended Electives

The following courses are suggested as electives in the study areas related to the Diploma in Technology Plant Science. Courses not on the list may also be eligible as electives; students may choose either technical-level courses or degree courses at the 1000 and 2000 level. Consultation with the program advisor is recommended. Many of these courses have prerequisites; it is the student's responsibility to ensure that these requirements are met.

Fall

AGRN 2001: Cereal-Based Cropping Systems
ANSC 0112: Animal Biology and Management
APSC 0200: Environmental Management
APSC 2011: Technology for Precision Agriculture
HORT 1000: Landscape Plants I
HORT 1004: Landscape Plants III
HORT 2000: Vegetable Production
HORT 2007: Small Fruit Crops
HORT 2010: Greenhouse and Floriculture Crop Management
HORT 1002: Turfgrass Production and Management
HORT 1003: Landscape Horticulture I
HORT 2011: Arboriculture
HORT 2001 Principles of Organic Horticulture (Distance)
MGTA 0204: Financial Management
PLSC 1000: Farm Woodlot Management

Winter

AGRN 2008: Potato Production
AGRN 2002: Forage-Based Cropping Systems
ANSC 0113: Principles of Animal Welfare and Husbandry
ANSC 0114: Animal Feed and Nutrition Management
APSC 0101: Horticultural Technology
HORT 1001: Landscape Plants II
HORT 2009: Landscape Plant Nursery Management
HORT 2006: Tree Fruit Crops
HORT 1004X/Y: Landscape Plants III
MGTA 2001: Introduction to Business Law
MGTA 2006: Advertising and Promotion
MGTA 2007: Retail Sales Management
PLSC 2000: Specialty Crops
SOIL 0200: Soil Management

Spring/Summer (between Years 1 and 2)

PLSC 0202: Plant Science Techniques

Diploma in Technology Veterinary Technology

The Veterinary Technology (VT) Program prepares graduates with the skills and knowledge required to enter veterinary practice as technical assistants to veterinarians. Veterinary technicians have also made successful careers in a variety of other fields, including the management of animal shelters; research with animals in universities and for private companies; sales for veterinary supply companies; and employment with zoos and in wildlife rehabilitation.

The Veterinary Technology Program is a two-year program with four standard semesters and an intersession after the first year. In addition to on-campus learning there are off-campus externships at the Atlantic Veterinary College and in general veterinary practices. To reflect the major employment opportunities in Atlantic Canada, the program is oriented mainly towards companion animals. The modest large-animal content is appropriate for graduates entering mixed practice and for those who wish to further develop their livestock or equine competence. Under the supervision of veterinarians and veterinary technicians in the VT program's Boulden Animal Clinic, students learn the skills and tasks required of them in companion animal practice.

Students in the Veterinary Technology Program must successfully complete 16 credit hours of required courses each academic year (Fall/Winter) to be eligible to continue in the program the following year. Students who do not meet this requirement, or who withdraw for any reason, will need to reapply if they want to return to the program. They will be considered along with the new pool of applicants and will not have preferential admittance. They must fulfill all orientation and application procedures, and adhere to the February 28 application deadline. Students who wish to return in the winter semester may only do so if there is space in the program, and they are required to reapply by December 1.

The Veterinary Technology Program is accredited by the Canadian Veterinary Medical Association. The animal facilities are approved for teaching by the Canadian Council on Animal Care. The Animal Clinic is accredited by the Nova Scotia Veterinary Medical Association.

Required Courses

Year I Semester I

EGLA 0101: Writing for Business
VTEC 0111: Animal Medicine and Nursing I
VTEC 0112: Clinical Exercises I
VTEC 0113: Veterinary Clinical Pathology I
VTEC 0114: Fundamentals in Veterinary Technology I
VTEC 0115: Anatomy-Physiology-Pathophysiology I

Year I Semester II

ANSC 2003: Companion Animal Behaviour
VTEC 0121: Animal Medicine and Nursing II
VTEC 0122: Clinical Exercises II
VTEC 0123: Veterinary Clinical Pathology II
VTEC 0124: Fundamentals in Veterinary Technology II
VTEC 0125: Anatomy-Physiology-Pathophysiology II

Year II Semester III

VTEC 0131: Internship in Veterinary Technology
VTEC 0132: Externship at the Atlantic Veterinary College
VTEC 0133: Externship in General Veterinary Practice

Year II Semester IV

VTEC 0211: Animal Medicine and Nursing III
VTEC 0212: Clinical Exercises III
VTEC 0213: Veterinary Clinical Pathology III
VTEC 0214: Fundamentals in Veterinary Technology III
VTEC 0215: Livestock and Equine Principles
Elective*

Year II Semester V

VTEC 0221: Animal Medicine and Nursing IV
VTEC 0222: Clinical Exercises IV
VTEC 0223: Veterinary Clinical Pathology IV
VTEC 0224: Fundamentals in Veterinary Technology IV
VTEC 0225: Lab Animal & Alternative Pet Medicine
Elective*

* Electives are selected by approval of the Program Coordinator, from the Registry of Approved Continuing Education of the American Association of Veterinary State Boards.

Continuing and Distance Education

A variety of courses and programs, including credit and non-credit certificates, online programs, professional development and skills training are offered through Continuing and Distance Education. Our education is outcome-based, and with formats and scheduling that work for the students. Continuing and Distance Education offers on-site training, including the block release sections of the Farm Technician Apprenticeship Program held on Prince Edward Island.

For information on courses and programs visit dal.ca/agriculture or call (902) 893-6666.

Canadian Association of Diploma in Agriculture Programs

The Canadian Association of Diploma in Agriculture Programs (CADAP) is an association of post-secondary educational institutions offering diploma programs in agriculture. The purpose of the association is to promote excellence in agricultural education. The association provides opportunities for technical students in several of the programs to enroll in another college for one semester of their second academic year. By encouraging participation in the programs of another CADAP institution, another region of Canada, or another country, CADAP provides opportunities for students:

- to broaden their studies
- to become more familiar with another region of Canada, or another country
- to live a different cultural experience, and
- to gain practical experience in another region of Canada or in another country.

CADAP offers scholarships to students in diploma programs. For more information please see their website (<http://www.cadap-apdac.ca>).

Any student wishing to do a technical exchange program at another institution must have that program approved. The request should be submitted to the Registrar's Office by the student's program advisor or the Department Head. Upon approval of the program, the student will be issued a Letter of Permission detailing which courses will be replaced in the student's program and which courses must be completed at the host institution. The program must be laid out before the student leaves for the exchange institution.

Professional Organizations for Agrologists

Agrology is "the profession of applying science and scientific principles to the business and art of agriculture". University graduates who are skilled in the science and business of agriculture are encouraged to join their provincial Institute of Agrologists. Provincial Institutes offer the opportunity to get to know and exchange ideas with other professional agrologists in the province and in other parts of Canada through membership in the Agricultural Institute of Canada. Membership in an Institute of Agrologists provides an element of fellowship in the profession, as well as opportunities to attend scientific conferences and educational tours and to receive newsletters and technical publications. Membership in an Institute is required by provincial statute to practice agrology in most provinces.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Academic Courses

Course Descriptions

ACAD 0020 Skills for Academic Success

CREDIT HOURS: 0

The objective of this course is to facilitate the successful transition from high school or the workplace to university life. This course will expose students to the functions of various student services on campus, encourage the development of good study skills, and explore the life management skills necessary to achieve success at university.

NOTES: Fall semester – This is a Workplace Readiness course required for the Diploma in Business Management.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 1

ACAD 0021 University Study Skills

CREDIT HOURS: 0

This course provides students with the skills they need to be successful university students, including note taking, textbook reading, exam taking, and time management skills. The course will introduce students to the resources available on campus and will help them understand their learning styles and strengths. Students in this course will learn how to balance their commitments and use their study time efficiently. It provides an essential bridge for students coming to university directly from high

school, as well as an important refresher for students who have had a break in their studies.

NOTES: Fall and Winter semesters

FORMAT: Lecture

Agriculture Courses

Course Descriptions

AGRI 1000 Agricultural Ecosystems (A)

CREDIT HOURS: 3

This course is an introduction to agriculture and food systems. The principles of agricultural production as studied in the disciplines of animal science, plant science, agricultural engineering, and soil science will be integrated to give a comprehensive view of agricultural ecosystems. Course work will include lectures, laboratories, problem-solving exercises, and small-group work. There will be a farm tour for all AGRI 1000 students on September 17, 2014, from 1 pm until 7 pm. The course will expose students to issues and raise questions to be considered during the remainder of their undergraduate careers. The goals of this course are to provide students with knowledge of the application of science to agriculture, and to assist students to understand the integrated nature of agriculture and food systems in both regional and global contexts. Associated course goals are to develop communication and independent learning skills and the ability to function effectively in team situations, and to stimulate students to think critically, logically, and quantitatively while respecting the values and ideas of others.

NOTES: Fall semester

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

AGRI 2000 Transition to Organic Agriculture (A)

CREDIT HOURS: 3

This course is recommended for students looking for a general introduction to organic agriculture. The course consists of five stand-alone modules: Why organic?, Organic Certification, Planning the Farm System, Transition to Organic Crop Production, and Transition to Organic Livestock Production. Throughout the course students will be encouraged to participate in discussion groups and use the organic information resources currently available over the Internet.

NOTES: Fall semester

FORMAT: Online Delivery

AGRI 3001 Issues in Agricultural Health and Safety (A, H)

CREDIT HOURS: 3

This course is a series of ten online modules on Agricultural Health & Safety designed for agricultural students, farm managers and owner-operators, and anyone else who wishes to obtain a better understanding of the health and safety issues present on Canadian farms. The course describes the health and safety situation and the major health and safety risks in the agriculture industry, and highlights the importance of improving the current situation.

NOTES: Fall or Winter semester

FORMAT: Online Delivery

PREREQUISITE: Third-year standing

AGRI 4000 Contemporary Issues in Agriculture (A)

CREDIT HOURS: 3

This course allows senior students in all disciplines to discuss current topics of interest to agricultural professionals. These topics could include soil degradation, integrated pest management, antibiotics in feed, the occupation of farming, animal welfare, etc. Students will be given weekly required readings.

NOTES: Fall semester – This course has limited enrollment.

FORMAT: Seminar

PREREQUISITE: Third- or fourth-year standing

AGRI 4001 Agriculture, Food and Well-being

CREDIT HOURS: 3

This case-based course investigates local, regional, and global issues related to agriculture, food, and well-being. Learners will work together to develop practical solutions for real life cases thus enhancing their understanding of global economic and political forces shaping agriculture. This course will help students enhance their critical thinking skills and systems analysis capacity. Students will explore how agriculture and food are related to, interconnected with or impacted by people, the land and environment, and ultimately social/economic well-being. The course is team taught with faculty from the following disciplines: animal science, plant science, environment science, engineering, food science and social sciences. Industry leaders also are involved as mentors.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: AGRI 1000.03

Agronomy Courses

Degree Level Course Descriptions

AGRN 2000 Organic Field Crop Management (A) DE

CREDIT HOURS: 3

This course will introduce students to organic principles and practices applied to the production and management of field crops. The criteria for optimum yield and quality of field crops are presented within the context of organic farming principles, sustainable soil and nutrient management, and the requirements for organic certification. Five stand-alone modules provide a framework for study:*Soil and Field Management Practices: methods used in organic farming to build and maintain soil fertility, preserve soil structure, conserve and recycle nutrients, reduce weed pressure, and reduce outbreaks of pest and disease;*Nutrient Management Planning: how to optimize the efficiency of nutrient cycling, improve resource utilization, and minimize nutrient loss on the farm;*Forages: organic methods of production for pasture, hay, silage, cover crops, or green manure;*Row Crops: organic methods of production of cereal row crops (corn, sorghum), root crops (carrots, potatoes), seed

legumes (soybean, peas, beans), and others (e.g., hemp); and *Small Grains and Oilseeds: organic methods of production of winter-seeded grains (winter wheat, winter rye), spring-seeded grains (spring wheat, oats, and barley), oilseeds (canola, flax), and others.

NOTES: Winter semester

AGRN 2001 Cereal-Based Cropping Systems (A)

CREDIT HOURS: 3

This course takes a systems approach to the study of crop and soil management in rotations involving the growing of the principal cereals, oilseeds, pulses, and other grains, and their relationship to other crops in a rotation. Through a whole-farm approach over time, it studies environmentally and economically sustainable methods for grain cash crops and grain-based animal feed production. It stresses soil and water conservation and an understanding of the principles and processes of the nutrient cycles, which are critical to improving the food production environment. Students will gain knowledge of grains as they relate to people and the environment, from soil to shelf, both in a Maritime temperate climate and in an international context.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CROSS-LISTING: AGRN 0201

AGRN 2002 Forage-Based Cropping Systems (A)

CREDIT HOURS: 3

Forage crop production, management, and use will be discussed in the context of agricultural ecosystems. Emphasis will be placed on beneficial management practices to reduce negative impacts on the environment, while maintaining profitability and sustainability of rural communities. Topics covered will include pasture, hay, and silage, as well as the role of perennial and annual forages in crop rotations.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CROSS-LISTING: AGRN 0202

AGRN 2008 Potato Production (A)

CREDIT HOURS: 3

History, biosystematics, and eco-physiology of the crop are emphasized. Production practices for seed, table, and processing stock and marketing in the Atlantic Provinces are examined. Soil fertility, crop health management strategies, and nutritional qualities and storage are covered in detail. Some commercial operations are visited.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: Preparatory: AGRI 1000

CROSS-LISTING: AGRN 0200

Technology Level Course Descriptions

Animal Science Courses

Degree Level Course Descriptions

ANSC 2002 The Horse: Its Biology and Use (A)

CREDIT HOURS: 3

This course is an introduction to the behaviour, anatomy, nutrition, and history of horses. What behavioural principles underlie horse training? How is their performance influenced by their conformation? What is unique about their digestive system? How did horses evolve? The course will include discussion of sources and treatment of illness and disabilities, and the biology and control of common parasites; demonstrations of English and Western riding (students will not be taught to ride); visits to the Truro Raceway; study of the importance of shoeing to the working horse; and exposure to the use of horses as draft animals.

NOTES: Fall semester

FORMAT: Lecture| Lab| Online Delivery

PREREQUISITE: second-year standing or equivalent, in any program

ANSC 2003 Companion Animal Behaviour

CREDIT HOURS: 3

In this course, students will study the fundamentals of animal learning and how those principles affect success in training and behaviour modification. Attention will be given to understanding and solving behaviour problems (e.g., separation anxiety, dominance aggression, fighting, inappropriate urination, and behavioural stereotypies). The focus is on companion animals – dogs and cats, and to some extent horses. The normal development of behaviour in those species will be covered.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ANSC 2004 Organic Livestock Production (A) DE

CREDIT HOURS: 3

This course provides information on organic livestock production in general, as well as more detailed analyses of organic beef and sheep, dairy, and swine and poultry production. An in-depth study of organic approaches to livestock health is included. The course is divided into five stand-alone modules: Introduction to Organic Livestock Production, Organic Beef and Sheep Production, Organic Dairy Production, Organic Swine and Poultry Production, and Health Management in an Organic

Livestock System. A variety of information delivery methods will be used, including text on the Internet, a printed resource guide, and a CD-ROM with video clips and slide shows. Students will be encouraged to participate in discussion groups and use the organic information resources currently available over the Internet. Evaluation will be based on participation, written assignments, module quizzes, and a final exam.

NOTES: Winter semester

ANSC 2005 Animal Agriculture (A)

CREDIT HOURS: 3

Through a mixture of classroom lectures and exercises at Faculty of Agriculture, Dalhousie, this course will enable students to recognize common breeds of farm animals, to describe livestock production cycles and methods, and to understand the place of farm animals in the world food system. The course will provide introduction to subject matter covered in more senior animal science courses, such as nutrition, reproduction, behavior and welfare, animal anatomy, and environmental physiology. The interaction of livestock production with our environment will be examined.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: AGRI 1000

ANSC 2006 Equine Health, Genetics and Reproduction

CREDIT HOURS: 3

Students examine in detail the processes of reproduction and lactation in horses, as well as the requirements for care and management of the mare during breeding, parturition, and lactation. Students also study the growth and development of the foal and the requirements for the care of the foal. The common breeds of horses and the genetics of coat colour, conformation, and performance potential will be discussed. The course will enable students to evaluate the genetic merit of sires and dams, and to plan matings and genetics strategies to meet the genetic goals of their particular operation. Students will obtain a basic knowledge of health care and disease prevention, and be able to address issues relating to biosecurity.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 2002

CROSS-LISTING: ANSC 0214

ANSC 2007 Beef Production and Management (A)

CREDIT HOURS: 3

This course will focus on the management of commercial beef farms, ranging from cow/calf to stocker/feeder operations. Components of breeding, nutrition, and behaviour will be discussed. A systems approach to the management of the farm will be undertaken. The role of the manager in optimizing production is an important component. A historical perspective on the Atlantic beef industry along with coverage of emerging trends will be part of the course. Key beef industry issues such as the impact of BSE, animal welfare, and beef marketing will be discussed.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 2005

CROSS-LISTING: ANSC 0218

ANSC 3000 Animal Breeding (A)

CREDIT HOURS: 3

The course covers variation in animal performance and the techniques whereby genetic superiority can be recognized and improved. Goals and programs of improvement are discussed with reference to commercial farm species. The emphasis is on programs in current use but applications of new technologies are included. Labs deal primarily with data collection, analysis, and computer applications.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: GENE 2000, STAA 2000

ANSC 3001 Animal Health (A)

CREDIT HOURS: 3

This course seeks to impart an understanding of animal health and its importance in livestock production enterprises. Students are taught to recognize signs of health and ill health and to understand the principles and practices of disease prevention and treatment. Conditions of disease and ill health common in Atlantic Canada are studied. The need for veterinary collaboration is emphasized, and the circumstances in which this should be sought are discussed.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MCRA 2000

ANSC 3002 Domestic Animal Behaviour (A)

CREDIT HOURS: 3

This course studies the behaviour of farm animals and presents information that is relevant to the care and management of animals. Topics covered include domestication, animal communication, social behaviour, reproductive and maternal behaviour, development of behaviour, genetics of behaviour, and the influence of management systems and practices on behavioural characteristics. Considerable attention is also given to welfare issues in animal agriculture.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: BIOA 2006 or BIOA 3005

ANSC 3003 Eggs and Dairy Products (A)

CREDIT HOURS: 3

This course deals with the nature and composition of eggs and milk and their products such as cheese and yogurt; hygiene; processing; and storage.

NOTES: Fall semester
FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

ANSC 3004 Meat Science (A)

CREDIT HOURS: 3

This course covers growth of meat animals and the nature of muscle, bone, and fat; conversion of muscle to meat; quality and grading of fresh meat; hygiene and storage; meat processing, meat products, and by-products.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

ANSC 3005 Animal Welfare (A)

CREDIT HOURS: 3

This course deals with the well-being of animals, with emphasis on farm animals. Issues include what we mean by animal welfare, what the animal welfare issues are in modern agriculture and in modern society, and how we use ethology and physiology to assess animal welfare. The course outlines the international efforts to improve on farm animal welfare. There is a term project in which students attempt to assess animal welfare in a particular farm (or other) environment, and all students will participate in class debates on current issues in animal welfare.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: At least third-year standing

ANSC 3006 Companion Animal Biology

CREDIT HOURS: 3

This course focuses on digestive and reproductive physiology, nutritional, genetic, and breeding programs, and the importance of these for management of companion animals. The emphasis is on domestic dogs and cats, with other companion animals included as the topic permits. Laboratory sessions include evaluation of diets and dietary supplements, reproductive and digestive anatomy, simulation of breeding programs, and guest lecturers or field trips to companion animal facilities.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: BIOA 3008, GENE 2000

ANSC 4003 Avian Production Systems (A)

CREDIT HOURS: 3

This course will focus on management of commercial poultry, from hatching to the production of value-added products. The course material will require the application of the sciences of nutrition, genetics, physiology, and behavior to understand the key aspects of growth, reproduction, and health of commercial poultry species.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: ANSC 2005, NUTR 3000

ANSC 4004 Ecology of Milk Production in Ruminants (A)

CREDIT HOURS: 3

Milk is a highly prized food, the efficient forage-based production of which has been a major economic phenomenon in agriculture for millennia. Four main species – cattle, buffalo, goats and sheep – have been selected to produce milk for humans. All are from the Bovidae Family (Suborder Ruminantia) of cudchewers. Chosen initially because they didn't compete for the scarce food supplies of our ancestors, ruminants, especially cows, have been selected intensively for milk-yielding characteristics and conformation. The objectives of this course are to examine the production of milk, from provision of feed for the animals to processing the milk into products, and the important contribution made by the dairy industry in providing sustainable food security for society. This course will challenge perceptions of students who will become future dairy farmers or consumers and thus will influence future policy.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: ANSC 2005

ANSC 4005 Swine Science and Pork Production (A)

CREDIT HOURS: 3

Globally, pork production is a significant source of animal protein. Swine science provides the tools to accomplish pork production. This course will cover aspects of pork production including nutrition, management, breeding, housing, health and post-farmgate opportunities. The science of swine will be discussed, including biology and the role of swine as models for human studies.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: ANSC 2005, ANSC 3000, BIOA 2006, NUTR 3001

ANSC 4006 The Science of Modern Sheep Farming (A)

CREDIT HOURS: 3

Sheep were among the first animals to be domesticated and since then, sheep have been bred for different roles: wool, meat, milk. In the Maritimes, the importance of sheep in the rural economy is on the increase. This course will guide students through the science of sheep production. Nutrition, pasture management, breeding, lambing and flock health will be covered. The traditional roles of sheep for meat and wool production will be emphasized, but also newer uses in Canada such as dairy sheep production will be explored.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: BIOA 3008, NUTR 3000

ANSC 4007 Pastures in Sustainable Livestock Systems (A)

CREDIT HOURS: 3

An advanced course that provides students with an overview of current sustainable pasture management practices in northern latitudes, with a focus on grassland ecology, the environmental impacts of livestock production, and applied pasture management. In addition to attending lectures and presenting material in class, students will participate in lab sessions on practical grazing management techniques as well as participate in investigative tours of local pasture producers.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: AGRI 1000, AGRN 2002

ANSC 4008 Carnivore Biology

CREDIT HOURS: 3

This is an advanced-level course in mammalian biology focusing on species in the Order Carnivora. The specialized features of the biology of mammalian carnivores will be reviewed, emphasizing seasonal breeding and reproduction, nutrition and physiology, and health and disease. Species discussed will include livestock, companion and zoo animals, and wildlife. The practical aspects of the course will use the mink as a model animal.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: BIOA 3008, NUTR 3000

ANSC 4009 Directed Studies in the Animal Sciences

CREDIT HOURS: 3

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses.

NOTES: Fall, Winter or Summer semester
PREREQUISITE: Permission of the Department/Program Advisor; students must obtain consent of an instructor who is willing to be a supervisor
EXCLUSIONS: Note: ANSC 4009 cannot duplicate subject matter covered through regular course offerings.

Technology Level Course Descriptions

ANSC 0020 Dairy Industry I

CREDIT HOURS: 0

Students participate in an examination of the structure of the dairy industry and of the supply management system in which dairy farms operate. They will also be required to identify current issues facing the industry and to examine their potential impact on sustainability and opportunities in the Atlantic Canadian industry.

NOTES: Fall semester – This is a Workplace Readiness course required for the Dairy Farming option in the Diploma in Business Management.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 1

ANSC 0021 Dairy Industry II

CREDIT HOURS: 0

A continuation of the topics in ANSC 0020. Students extend their examination of the issues facing the dairy industry in a series of lectures presented by speakers from a variety of fields.

NOTES: Winter semester – This is a Workplace Readiness course required for the Dairy Farming option in the Diploma in Business Management.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 1

ANSC 0022 Equine Industry

CREDIT HOURS: 0

This course enables students to examine the structure of the equine industry and to discuss the issues, challenges, and opportunities facing the industry. Speakers from the equine industry are invited to discuss relevant topics, and students participate in the discussion and write summaries of the discussion.

NOTES: Fall semester – This is a Workplace Readiness course required for the Equine Specialty option in the Diploma in Business Management.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 1

ANSC 0112 Animal Biology and Management

CREDIT HOURS: 2

Students examine production cycles, reproduction, and genetics in farm animals, with a focus on care and management during breeding, parturition, growth, and lactation. Lectures cover the principles that are common to all species, and the labs and tutorial sessions focus on more specialized topics that are relevant to the management of bovine, equine, and other ruminant species.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

ANSC 0113 Principles of Animal Welfare & Husbandry

CREDIT HOURS: 2

Students examine the biological basis for animal behaviour, animal welfare, environmental physiology, and animal health. They also examine the role and importance of legislation and voluntary codes of practice in animal welfare and animal health. The course will enable the student to analyze and select handling practices, housing options, biosecurity, and disease prevention options that meet the needs of the animal and the enterprise. Lectures cover the principles that are common to all species, and the labs and tutorial sessions focus on more specialized topics that are relevant to the management of bovine, equine, and other ruminant species.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

ANSC 0114 Animal Feed and Nutrition Management

CREDIT HOURS: 2

Students examine in detail the biology of digestion and nutrient metabolism and the assessment of feedstuff quality in forage-based feeding systems. The course will enable the students to analyze strategies for meeting nutrient requirements and avoiding nutritional problems, and to assess feed efficiency and feed costs for the enterprise. Lectures cover the principles that are common to all species, and the labs and tutorial sessions focus on more specialized topics that are relevant to the management of bovine, equine, and other ruminant species.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

ANSC 0116 Companion Animal Enterprise

CREDIT HOURS: 2

This course will enable the student to oversee the routine care of animals in a companion animal facility and to develop some of the basic workplace communication skills necessary in such an enterprise. Students examine the structure of the companion animal industry and discuss the issues, challenges, and opportunities facing the industry. The basic care component covers mainly dogs and cats, with some coverage of other species, and a portion of this will be conducted outside class time. The industry overview component covers all species represented by the industry, as well as the different segments of the industry.

NOTES: Fall semester

FORMAT: Lab

LECTURE HOURS PER WEEK: 3

ANSC 0117 Companion Animal Growth, Development, and Nutrition

CREDIT HOURS: 2

Students examine the biology of growth and development in companion animals and analyze the requirements for care and management throughout the life cycle. They also examine the biology of nutrition and the nutritional requirements throughout the life cycle, and relate this to information on specific products, supplements, and feeding regimes. The course will enable the student to work with a nutritionist or veterinarian in establishing and implementing feeding and nutritional programs, and to interpret the legal and other limitations to providing foods and nutrition products and services for companion animals. The course covers mainly dogs and cats, with some coverage of other species.

NOTES: Winter semester

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: ANSC 0116

ANSC 0204 Dairy Herd Health and Nutrition Management

CREDIT HOURS: 2

Students participate in an in-depth examination of the health and nutrition requirements of the individual dairy cow, and of the requirements for maintaining high standards of health and optimal nutrition in the dairy herd. The course will enable the students to use herd records and on-site evaluations to troubleshoot health and nutrition problems and to identify solutions to those problems. The course will also enable the student to use a variety of technical and human resources in meeting future challenges in health and nutrition.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0112, ANSC 0113, ANSC 0114

ANSC 0205 Optimizing Bovine Reproductive and Genetic Performance

CREDIT HOURS: 2

Half of the course is devoted to an in-depth examination of bovine reproduction and of the requirements for maintaining high success rates in heat detection and AI procedures. Students will use herd records and on-site evaluations to troubleshoot breeding problems and to identify solutions to those problems, and use a variety of technical and human resources in meeting future challenges in breeding management. In the other half of the course, students participate in an in-depth examination of dairy genetics and of the tools and systems used for evaluating performance and genetic merit in the dairy industry. Students will use herd records and on-site

evaluations to identify breeding goals for the herd and to select sires and dams that will help the herd achieve these goals. The course will enable students to use a variety of technical and human resources in meeting future challenges in dairy genetics. Applications to the beef industry will be discussed as well.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0112

ANSC 0206 Managing Dairy Milking Systems and Housing Facilities

CREDIT HOURS: 2

Students examine in detail the management of the milking system and evaluate current and future options in milking systems technology. They also examine current and future options for housing and equipment, and analyze the ability of those options to meet the financial, environmental, and animal welfare goals of the operation. Tours and field trips give the students an opportunity to view a variety of housing and milking systems. Some of the tours or field trips may be conducted outside scheduled class time.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0113

ANSC 0207 Records Management and Decision-making for Dairy Herds

CREDIT HOURS: 2

Students examine record-keeping options for dairy herds and use herd records to analyze key aspects of herd and farm performance. They also use case studies and records summaries to benchmark performance and to analyze the herd's ability to meet its targets. Establishing and maintaining the records required to meet certification (e.g., HACCP) requirements are also integral components of the course.

NOTES: Winter semester

FORMAT: Lab

LECTURE HOURS PER WEEK: 3

COREQUISITE: ANSC 0204, ANSC 0205

ANSC 0208 Biology and Care of Aquarium Fish and Reptiles

CREDIT HOURS: 2

Students examine the biology of growth and development in aquarium fish and reptilian species, and analyze the requirements for care and management throughout the life cycle, including the requirements for nutrition and health care. A considerable portion of the course is devoted to the selection and set-up of aquarium and terrarium systems and to troubleshooting problems. The course will enable the student to ensure high standards of health and nutrition for fish in aquarium systems and for reptiles.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0116

ANSC 0209 Biology and Care of Pet Birds and Small Mammals

CREDIT HOURS: 2

Students examine the biology of growth and development in avian and small animal species and analyze the requirements for care and management throughout the life cycle, including the requirements for nutrition and health care. The selection and set-up of housing systems are important components of the course. The course will enable the student to ensure high standards of health, nutrition, and care for birds and small animals.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0116

ANSC 0210 Introduction to Companion Animal Health

CREDIT HOURS: 2

Students examine the causes and predisposing factors of diseases common to companion animals, and of the principles of disease management and prevention as they apply to companion animal facilities. The course will enable students to establish and implement biosecurity and health management protocols, and to interpret the legal and other limitations to providing health care products and services in consultation with the facility veterinarian. The course covers mainly dogs and cats, with some coverage of other species.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0117

ANSC 0212 Companion Animal Genetics and Reproduction

CREDIT HOURS: 2

Students examine the processes of reproduction and lactation in companion animals, and analyze the requirements for care and management during mating, parturition, and lactation. They also study the common breeds and the genetics of colour and conformation, and examine the requirements for choosing breeders and planning matings that meet the objectives of the breeding program. The course covers mainly dogs and cats, with some coverage of other species.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2
PREREQUISITE: ANSC 0116

ANSC 0213 Equine Growth and Nutrition

CREDIT HOURS: 2

Students will study the physiological growth and development at every life stage from conception to old age in the horse. The nutrition component focuses on the digestive system of the horse and the requirements for specific nutrients at different stages of growth and development. Analysis of different types of feeds and the formulation of diets based on life stage and level of activity will be conducted. The course will enable the student to troubleshoot nutrition problems in a variety of equine enterprise types.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0113, ANSC 0114

ANSC 0214 Equine Health, Genetics, and Reproduction

CREDIT HOURS: 2

Students examine in detail the processes of reproduction and lactation in horses, as well as the requirements for care and management of the mare during breeding, parturition, and lactation. Students also study the growth and development of the foal and the requirements for the care of the foal. The common breeds of horses and the genetics of coat colour, conformation, and performance potential will be discussed. The course will enable students to evaluate the genetic merit of sires and dams, and to plan matings and genetics strategies to meet the genetic goals of their particular operation. Students will obtain a basic knowledge of health care and disease prevention, and be able to address issues related to biosecurity.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0113

CROSS-LISTING: ANSC 2006

ANSC 0215 Equine Facilities Management

CREDIT HOURS: 2

Students examine the behavioural and environmental considerations important in designing an equine facility, and explore the options available for ensuring high standards of animal welfare in the facility. The course will enable students to design and implement protocols for managing the facility and for ensuring compliance with regulatory requirements or industry standards. Students participate in tours to view a variety of facility options. Some of these tours may be conducted outside scheduled class time.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0213, ANSC 0214

ANSC 0216 Equine Health and Fitness

CREDIT HOURS: 2

Students examine the anatomy and physiology of the horse with special attention to the respiratory, skeletal, muscular, and cardiovascular systems. The course will enable students to analyze how the horse's health and soundness is affected by its environment, level of fitness, and condition.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 0213

ANSC 0217 Companion Animal Behaviour

CREDIT HOURS: 2

In this course, students will study the fundamentals of animal learning and how those principles affect success in training and behaviour modification. Attention will be given to understanding and solving behaviour problems (e.g., separation anxiety, dominance aggression, fighting, inappropriate urination, and behavioural stereotypes). The focus is on companion animals – dogs and cats, and to some extent horses. The normal development of behaviour in those species will be covered.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: ANSC 2003

ANSC 0219 Equine Behaviour and Learning

CREDIT HOURS: 2

This course explores the evolution of the horse and the history of equine domestication. Equine behaviour in both the feral and domesticated horse will be examined, and students will learn how understanding equine body language has practical applications within current training and husbandry practices. Type and causation of various abnormal equine behaviours and methods of behavioural rehabilitation will be covered. Students will examine equine perception and principles of learning, and how application of these principles can improve training and behaviour. Students will also study the human horse relationship.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ANSC 0113

Applied Science Courses

Degree Level Course Descriptions

APSC 1000 Computer Aided Graphics and Projection

CREDIT HOURS: 3

Freehand sketching, instrument drawing, and Computer Aided Drafting (CAD) techniques are used to develop proficiency in understanding and communicating in the graphical language. Experience is gained in reading and drawing orthographic, isometric, and oblique projections of objects as well as sectional and auxiliary views. Both Architectural and SI units of linear measure will be used in producing scaled drawings.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

APSC 1001 Design and Graphics

CREDIT HOURS: 3

APSC 1003 Practices and Mechanics of Materials

CREDIT HOURS: 3

This course deals with the practices of selecting and working with materials, including considerations for green practices. Selection of materials is based on many properties depending on the application; usually strength, workability, durability, and costs are key concerns. Green practices during the construction of machines, structures and buildings will include traditional properties and their environmental and resource efficiency including their deconstruction. Using green materials and products promotes conservation of dwindling non renewable resources and helps to reduce the environmental impacts associated with the extraction, transport, processing, fabrication, installation, reuse, recycling, and disposal of these source materials.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 1004 Wood Construction Technology I

CREDIT HOURS: 3

This is an introductory course in the selection, operation, and maintenance of woodworking hand and power tools. The principles of selection, operation, and maintenance of workshop tools in the modern woodworking shop are studied. Students will be required to present seminars on various fabrication techniques and construction tools. Occupational Health and Safety issues pertaining to wood shop work procedures will be covered.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

APSC 1005 Metal Construction Technology I

CREDIT HOURS: 3

This is an introductory course to familiarize students with common metal construction technologies, machines, and tools used in a metal fabrication shop. The principles of welding and welding applications will be emphasized. Students will be required to present demonstrations on the use of various metal hand and power tools, as well as present a seminar on some form of metal fabrication technology. Occupational Health and Safety issues pertaining to metal shop work procedures will be covered.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

APSC 2000 Environmental Impacts and Resource Management (A)

CREDIT HOURS: 3

This course is an introduction to environmental engineering and technology, emphasizing a quantitative engineering approach. The course addresses the issues associated with the safe and ecologically appropriate handling, processing, storage, and utilization of organic wastes arising from human activities, including agricultural and bio-resource production systems. Topics covered will include: growth models for populations of living organisms, as well as models for depletion and replenishment of natural resources; the concept of mass and energy balances applied to quantify changes in environmental systems; physical, chemical, and biological unit operations for treatment and reduction of solid, liquid, and gaseous wastes; and reduction of pollution impacts on air and water resources.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002, CHMA 1001

APSC 2002 Bioresource Systems Analysis

CREDIT HOURS: 3

The objective of this course is to introduce the concept of systems theory and analysis. The emphasis will be on the use of bioresource science principles applied to environmental and technological systems. Students will be exposed to case studies and special lectures focusing on bioresource science and systems analysis as an integrated problem-solving tool. Real-world systems will be examined through field tours and guest speakers. New faculty will give case studies in their areas of specialization.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 2004 Aquacultural Environment (A)

CREDIT HOURS: 3

Principles necessary for understanding and providing optimal aquatic environments for aquaculture production are reviewed. Topics in water habitat management will be emphasized, including: water properties of both fresh- and salt-water systems; water quality and reconditioning techniques; maintenance of dissolved oxygen and removal of metabolic wastes in aquaculture rearing systems; and evaluation of water resource requirements for aquaculture.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 2007 Fluid Power Technology

CREDIT HOURS: 3

This course covers the subjects essential to understanding the design, analysis, operation, and maintenance of fluid power systems: hydraulic, pneumatic, and water. Emphasis is placed on the practical applications of fluid power and the functioning of system components such as reservoirs, pumps, compressors, motors, valves, filters, lines and hoses, and mechanical and electrical controls in typical fluid power circuits. The principles of fluid flow, pressure and force, energy conservation, and power in the context of using fluid energy to do useful mechanical work are covered. Theory is presented to emphasize how and why fluid power systems operate. General maintenance, safety, and environmental issues associated with fluid power systems are also discussed.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 2008 Digital Electronics and Computer Interfacing

CREDIT HOURS: 3

This course covers the theory and applications of digital electronics technology and the control of digital devices by computers and programmable logic controllers (PLCs). Digital technology has become the dominant method of communication, control, sensing, computation, and amusement in modern society. This course will provide the foundation to better understand current and future digital systems. Digital logic circuits, data forms, and applications are studied. Computers in the laboratory are used to interface with and control a variety of digital devices such as computer numerical controlled (CNC) machines, robotics, cameras, scanners, lab equipment, etc. Students are introduced to Visual Basic programming for interfacing with computer ports and analog input devices. Hands on projects are completed to control real-world applications such as traffic lights, process control and experimentation equipment.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 2009 Metal Construction Technology II

CREDIT HOURS: 3

This is an advanced course in metal construction technologies using power machines (including CNC) and tools used in a metal fabrication shop. Advanced principles of welding and welding applications will be emphasized. Students will be required to present demonstrations on the use of various power machines, and to design and construct a major metal project using the skills learned in both Metal Construction Technology courses.

NOTES: Winter semester

FORMAT: Lecture| Lab

PREREQUISITE: ENGN 1005

APSC 2010 Wood Construction Technology II

CREDIT HOURS: 3

An advanced course in the operation and maintenance of woodworking hand and power tools, and shop machinery. Students will learn about specialized machinery and advanced joinery technologies. The operation, maintenance, and repair of workshop tools in the modern woodworking shop are studied, with emphasis on re-alignment and setting up for accessories and jigs. Written work safety procedures will be reviewed. Individual projects are undertaken by students with the skills acquired in both Wood Construction Technology courses, utilizing the shop equipment.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGN 1004

APSC 2011 Technology for Precision Agriculture (A)

CREDIT HOURS: 3

Principles and application of precision agriculture technologies including: GPS, GIS, sensors, digital photographic techniques, controllers, variable rate applicators for site-specific application of inputs (pesticide, fertilizer, irrigation etc.), auto guidance system, data acquisition and management, and precision agriculture equipment management.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 2012 Introduction to Bioresource Science (A)

CREDIT HOURS: 3

This course is an introduction to environmental science and engineering technology with a specific focus on agriculture, and consists of the ENVA 2000 lectures plus additional weekly tutorials and labs by the Engineering department. This combination provides an efficient means to provide the environmental science and the applied management of resources. The course is designed to provide an introduction to horizon topics in this rapidly developing field that are the subjects of specialized, upper-

level courses available in the program, and it provides a solid foundation for some environmental science courses. Topics to be covered include: overviews of green-collar jobs and the new bioresource economy, and of sustainable agroecosystem management; introductions to the management of sustainable water and energy resources, including alternative waste water, biosolids, and biofuels; introductions to materials life-sourcing; geographic information systems and precision agriculture.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002, CHMA 1001

EXCLUSIONS: Students can receive credit for either APSC 2012 or ENVA 2000, but not both.

APSC 2013 Machinery and Building Technology (A)

CREDIT HOURS: 3

Two keys to the success of utilizing biomaterials are selection of appropriate machines and designing effective facilities to manage the production/processing system. In the first half of the course, students are introduced to the types of equipment, their productivity, and methods of selection for efficient operation. This will include machinery for soil preparation, planting, crop care, and harvesting. The machines and their unit operation are analyzed with respect to functions, work rates, material flow and power usage. The importance of monitoring machine performance relating to work quality and environmental effects of machine operation will be studied. The labs will emphasize safety, basic maintenance, adjustment, calibration and performance testing. The second half of the course provides an introduction to the planning process of structures and various topics related to the use of building materials, particularly "green" materials. Functional layouts and ventilation principles of storage and production buildings are considered. Field trips supplement the lecture material. A term paper is required.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

CROSS-LISTING: ENGN 0201

APSC 3001 Electrotechnology (A)

CREDIT HOURS: 3

Electricity is integral to our society, and this course reviews application of AC and DC electricity. Safety and measurements are practised during hands-on lab sessions. Common sensors, measurements and control systems are discussed and applied to improve energy management.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PHYS 1000 or PHYS 1002

APSC 3013 Aquacultural Systems Technology (A)

CREDIT HOURS: 3

Support facilities, equipment, and systems for aquatic production will be examined. Topics studied will include: selection of component materials and structures suitable for confinement, protection, and growth of aquaculture species; principles of design and selection of equipment for recirculation systems for aquaculture; and the principles of water flow and handling in open and closed conduits.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 3015 Irrigation and Drainage

CREDIT HOURS: 3

This course examines basic soil/water/plant/atmosphere relationships. It introduces students to soil and water conservation and management principles. The course covers irrigation and drainage of golf courses, athletic areas, parks, and residential landscapes.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

EXCLUSIONS: Students who have credit for ENGN 3010 may not take ENGN 3015 for credit.

APSC 3018 Technology Modules

CREDIT HOURS: 3

This course deals with the operating concepts of CNC machines, plastics forming and construction technology, and transportation technology in a modular format. Approximately 4 weeks will be allocated to the study of each module area. The students will be able to perform operations in each technology area upon completion of the appropriate module. Practical hands-on laboratory and shop experiences are emphasized, as are associated aspects of Occupational Health and Safety. Students will also make presentations to the class regarding specific features and operations of the technologies studied.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 5

APSC 3019 Communications Technology

CREDIT HOURS: 3

This course addresses issues, systems, and methodology in computer-related communications technology. Among the topics studied are desktop publishing, digital photography and image editing, video production, web page design, and presentation software usage. Supplementary classes in graphic design and screen printing will be available as time allows. Emphasis is placed on practical production techniques and individual design situations.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

APSC 3020 Energy Production and Utilization

CREDIT HOURS: 3

This lecture-based course provides an overview of the whole energy system, focusing on selected attributes of energy. The assessment, management and remediation of energy production is a global issue, which will ultimately impact all walks of life, business, industry and future infrastructure. It includes an introduction to the energy supply chain, transmission and distribution systems, energy use, energy policy and the environment and methods of generation. It also includes an overview of renewable energy assessment techniques and feasibility tools.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MTHA 1001, preparatory: PHYS 1000 or PHYS 1002

APSC 4001 Water Quality Issues (A)

CREDIT HOURS: 3

Current environmental water quality issues such as contamination of surface and ground water are discussed. Emphasis is placed on providing solutions to the water quality problems. Agricultural water quality models will also be examined.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

APSC 4004 Energy Conversion and Assessment (A)

CREDIT HOURS: 3

This lecture-based course focuses on selected attributes of existing and renewable energy options, including the reserves and consumption of oil, coal and gas; fossil energy technologies for power generation; fundamental principles, applications and status of solar energy, biomass energy, wind energy and hydro-power; and outlook and evaluation of renewable energy.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: APSC 3020

APSC 4005 Waterscape Ecology and Management (A)

CREDIT HOURS: 3

This lecture-based, non-quantitative course focuses on selected basic attributes of land-water interactions and aquatic degradation as they relate to issues of waterside and watershed development in rural and (sub)urban environments. The course provides an introduction to a variety of aquatic principles and how they in turn are influenced by human activity, followed by an introduction to and review of the many management options available to land-use planners to mitigate development pressures. Broad latitude will be permitted in the subject areas of the assignments in order to appeal to individuals' interests and career aspirations in environmental engineering, environmental science, horticulture, international development, and environmental governance and sociology.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

APSC 4006 Wastewater Management (A)

CREDIT HOURS: 3

This course gives an overview of sources of water pollution, particularly in the rural situation, and standard methods of treatment. Alternative approaches such as wetlands and filters will be discussed. Laboratory sessions will include field trips, methods of sampling, and some testing of water.

NOTES: Fall semester - Environmental Sciences

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: At least third-year standing

Technology Level Course Descriptions

APSC 0100 Surveying

CREDIT HOURS: 2

An introduction to surveying principles and recording techniques. Students are given lectures and assignments to assist in understanding the principles employed in surveying, and they practise these during the labs by conducting various surveying exercises. Practice is gained in the proper use of surveying instruments (tape, level, and transit) through exercises involving measurements of horizontal and vertical distances and angles. These include chaining, stadia, benchmark, profile and contour leveling, triangulation and traverse exercises, and construction surveying, with emphasis on their application to farm construction projects.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

APSC 0101 Horticultural Technology

CREDIT HOURS: 2

Small gasoline engine structure and operating theory are studied, with emphasis on engine maintenance and troubleshooting. This course includes basic hydraulic theory, emphasizing the operation of common systems in use today. A wide range of horticultural machinery is studied, as well as the principles of mixing, placing, and

curing concrete, fence making, and chainsaw operation.

NOTES: Winter semester

FORMAT: Lecture| Lab

APSC 0200 Environmental Management

CREDIT HOURS: 2

Students examine the major environmental issues and risks in agricultural production. The emphasis is on how agricultural activities impact the environment and how environmental issues, regulations, and programs impact the way agricultural activities are carried out. The course will enable the student to identify the legal and other requirements for reducing the environmental risks associated with production activities, and to work with an engineer or environmental specialist in determining ways to minimize environmental risk.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: SOIL 0100

APSC 0201 Machinery and Building Technology

CREDIT HOURS: 2

Two keys to the success of utilizing biomaterials are selection of appropriate machines and designing effective facilities to manage the production/processing system. In the first half of the course, students are introduced to the types of equipment, their productivity, and methods of selection for efficient operation. This will include machinery for soil preparation, planting, crop care, and harvesting. The machines and their unit operation are analyzed with respect to functions, work rates, material flow and power usage. The importance of monitoring machine performance relating to work quality and environmental effects of machine operation will be studied. The labs will emphasize safety, basic maintenance, adjustment, calibration and performance testing. The second half of the course provides an introduction to the planning process of structures and various topics related to the use of building materials, particularly green materials. Functional layouts, ventilation principles of storage, and production buildings are considered. Field trips supplement the lecture material. A term paper is required.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

CROSS-LISTING: ENGN 2013

Aquaculture Courses

Course Descriptions

AQUA 2000 Introduction to Aquaculture (A)

CREDIT HOURS: 3

The history and the current status of world aquaculture production are discussed, with emphasis on species with potential in Atlantic Canada. Advances in freshwater or marine finfish and shellfish culture are included. Aquatic plant production is discussed. Business aspects of aquaculture are introduced. The course includes field trips to aquaculture and related facilities.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

AQUA 3000 Fish Health (A)

CREDIT HOURS: 3

This course outlines concepts of disease with special reference to fish. Diseases of various etiological types are considered, with emphasis on those in the aquaculture environment. The relationships of management and economics to disease in cultured fish are detailed, and public health concerns are addressed. Diagnostic, prophylactic, and treatment methods are outlined and practised.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Preparatory: BIOA 3005

AQUA 4000 Finfish Production

CREDIT HOURS: 3

Aspects of breeding and genetics, fish management, financial management, economics, marketing, housing systems, and water management are presented in an integrated approach to provide a sound understanding of this aspect of aquaculture. Management of finfish throughout the life cycle is presented. The course includes a weekend field trip to commercial farms; attendance is obligatory.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: NUTR 3000 or NUTR 3002, AQUA 3000, BIOA 3005

AQUA 4001 Shellfish Production

CREDIT HOURS: 3

Factors affecting profitable production of shellfish are discussed in the context of developing a sound industry with potential to address future opportunities. A survey of culture techniques used in shellfish production is undertaken.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: NUTR 3000 or NUTR 3001, AQUA 3000, BIOA 3005

Art Courses

Course Descriptions

ARTS 2000 Nature's Image: A Survey of Landscape Art (H)

CREDIT HOURS: 3

This course will provide an introduction to the history of art forms depicting landscape, with the major focus being on landscape painting. The course will consist of art history lectures and a studio component in which drawing techniques, collage, and colour theory will be explored. Students will develop skills in composition and will gain an increased appreciation for landscape art traditions.

NOTES: Fall semester

FORMAT: Lecture| Studio

Biology Courses

Courses

Below are courses offered in Biology by the Faculty of Agriculture. Please see the Biology Section in the Faculty of Science for courses offered on the Halifax campuses.

Degree Level Course Descriptions

BIOA 1002 Biology I

CREDIT HOURS: 3

This is the first of a two-semester course sequence exploring various general principles common to the biological sciences. The biological significance of cell structure and function, metabolism, the cell cycle, sexual reproduction, Mendelian genetics and basic gene structure are among the topics to be considered in the lecture sessions. The labs reinforce and enhance the learning of selected topics discussed in the lectures.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

BIOA 1003 Biology II

CREDIT HOURS: 3

This is the second of a two-semester course sequence exploring various general principles common to the biological sciences. In addition to evolutionary processes and patterns, the fundamental systematics and diversity of prokaryotes, protists, plants, fungi and animals are emphasized in the lecture sessions. The laboratory continues to reinforce and enhance the learning of selected topics discussed in the lectures.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002

BIOA 1030 Biology for Engineers

CREDIT HOURS: 3

This course is intended to give engineers a biological/environmental perspective that is an essential element in all modern, successful engineering projects. It will focus on the complex interface between living systems and the human environment. This course includes a basic introduction to cell structure and function, hierarchies and ecology. Special topics will include biomimicry and environmental impacts as they apply to engineering design.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 2000 Cell Biology

CREDIT HOURS: 3

An introduction to cell biology. Topics include cell metabolism, the structure and function of organelles of the eucaryotic cell, cell growth, cell movement, and the prokaryotic cell. Specialized cell functions will also be discussed.

NOTES: Fall semester

FORMAT: Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 2002 Plant Physiology

CREDIT HOURS: 3

A study of the different functions of the plant, including growth, photosynthesis, mineral nutrition, water relations and translocation of solutes, and plant orientation, development, and reproduction.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 2004 Structural Botany

CREDIT HOURS: 3

The basic morphology and anatomy of the seed plants are presented from a developmental perspective. The structural aspects of the various modes of plant reproduction are also included. Emphasis is placed on obtaining an understanding of plant structure that will complement crop physiology, weed biology, and plant pathology.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 2005 Principles of Plant Pathology (A)

CREDIT HOURS: 3

This course deals with the principles of plant pathology and the control of diseases caused by bacteria, fungi, mycoplasma-like organisms, viruses, and nematodes. Labs deal with basic techniques used in plant pathology, such as fungal, bacterial, and nematode isolation, identification, and inoculation.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1003, MCRA 2000

BIOA 2006 Mammalian Physiology

CREDIT HOURS: 3

An introduction to the body systems and how they function. The student should develop a basic understanding of physiological processes and how they are regulated and integrated by the nervous and endocrine systems. Topics covered include: homeostasis; the nervous, muscular, endocrine, cardiovascular, respiratory, renal, and digestive systems; and an introduction to environmental physiology.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: CHMA 3001

BIOA 2007 Mycology

CREDIT HOURS: 3

An introduction to the fungi, including members of the Kingdoms Eumycota and Chromista, and the protozoan pseudofungi. The labs in this course will focus on classification of the fungi, but lecture topics will also include fungal physiology, genetics, ecology, industrial mycology, food spoilage, and medical mycology. Students will be required to submit a microfungus collection and a mushroom collection.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 2008 Plant Diversity

CREDIT HOURS: 3

This course emphasizes the biology, evolution, and diversification of the major phyla of the Kingdom Plantae. The lectures illustrate the fundamental reproductive unity underlying the diversity of all land plants, using examples from both fossil and living species. In addition to exploring the major plant groups and their subdivisions in the laboratory, students learn to use the appropriate resources to identify specific plants.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: Preparatory: BIOA 1003

BIOA 3000 General Entomology (A)

CREDIT HOURS: 3

An introduction to the science of entomology from an agricultural perspective. Insect anatomy, physiology, and taxonomy are considered; also included are discussions on insect behaviour, reproduction, life cycles, and population ecology. Basics of monitoring techniques and population dynamics are illustrated. Students will be required to prepare and submit an insect collection.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Preparatory: BIOA 1003

BIOA 3001 Ecology

CREDIT HOURS: 3

An introduction to the principles and general concepts of ecosystem structure and function is presented. The dynamics of populations and community interactions are considered in relation to various biotic and abiotic environmental influences. The laboratory reinforces topics covered in the lectures and readings by emphasizing the importance of field observation and interpretation.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002, BIOA 1003

BIOA 3002 Weed Science (A)

CREDIT HOURS: 3

This course deals with the principles of weed science. Included are discussions on weed recognition, and chemical and non-chemical approaches to controlling weeds in various agricultural crops and in lawns and non-crop areas. The selection, safe use, handling, and storage of herbicides are stressed, along with the environmental impact of the different methods of weed control.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002, preparatory: BIOA 2002

BIOA 3003 Comparative Vertebrate Anatomy

CREDIT HOURS: 3

An introduction to comparative anatomy. Emphasis is placed on analyzing vertebrate structure. Comparisons of form and function within the Vertebrata are discussed with an evolutionary perspective. This is supplemented in the laboratory by detailed dissections of representative vertebrates.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1003

BIOA 3004 Environmental Physiology (A)

CREDIT HOURS: 3

A study of animals in relation to their environment. The influence of environmental factors on body processes and their relationship to productive efficiency and animal well-being are examined. Major topics include temperature regulation and body homeostasis, biological rhythms, photoperiodism, and environmental and hormonal interrelationships.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOA 2006 or BIOA 3005

BIOA 3005 Physiology of Aquatic Animals (A)

CREDIT HOURS: 3

The form, function, physiological integration, and behaviour of major types of aquatic animals is considered. Emphasis is placed on Classes of organisms, using commercially important species as primary examples.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1003

BIOA 3006 Aquatic Ecology

CREDIT HOURS: 3

The biology of aquatic species in marine and freshwater environments is discussed, with emphasis on biological systems involving farmed species, and organism interdependencies and interactions are examined. An introduction to the principles of ecology at the community and ecosystem level of integration is included.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1003

BIOA 3008 Growth, Reproduction and Lactation (A)

CREDIT HOURS: 3

A continuation of BIOA 2006, emphasizing physiological systems relevant to animal production. Major topics include growth and development as it applies to meat and brood animal production, and the physiology and management of reproduction and lactation in domestic species.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOA 2006

BIOA 4000 Avian Biology (A)

CREDIT HOURS: 3

This course is a study of topics in biology of special relevance to the commercial use of avian species. Physiological, biochemical, and genetic control and manipulation of such processes as reproduction, growth and development, and immunity are examined.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ANSC 2005, CHMA3001 (or CHMA 2005), GENE 2000

BIOA 4002 Conservation Biology

CREDIT HOURS: 3

This course has limited enrollment. This course will examine the ecological concepts underlying current issues in conservation biology. Topics covered include effects of agricultural habitat fragmentation on wildlife, conservation of biodiversity, stability and resilience of ecosystems, optimal design of nature reserves, and habitat heterogeneity. This is a discussion-style course concentrating on current published scientific papers chosen by the students. Students will also learn to read and critically evaluate scientific papers, and to apply this ability to writing literature reviews.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: 60 credit hours

BIOA 4003 Plant-Microbe Interactions

CREDIT HOURS: 3

This course is an advanced study of the interactions between plants and microorganisms, with emphasis on plant pathogenic micro-organisms but including symbiotic and other microorganisms that can provide a benefit to the plant. Students will study the histology of the infection process in relation to plant disease and symbiosis, and the impact that infection has on the physiology of the host. Responses of the plant to infection will be studied, with emphasis on Systemic Acquired Resistance and Induced Systemic Resistance.

NOTES: Fall semester

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOA 2005, 45 credit hours

BIOA 4004 Animal Adaptation and Stress

CREDIT HOURS: 3

This is an advanced-level course in the comparative physiology of animal adaptation and stress. The concepts of allostasis, homeostasis and the physiological stress response will be reviewed, and the role of endocrine regulation in animal adaptation under changing external (environmental) and internal (life-history) demands will be discussed. Special emphasis will be placed on mammalian and avian adaptation in response to changes in the internal, physical, and social environments. Species discussed may include livestock, companion and zoo animals, and wildlife.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: At least third-year standing/preparatory: BIOA 3004

Technology Level Course Descriptions

BIOA 0101 Plant Pathology

CREDIT HOURS: 2

This course deals with the diagnosis of plant diseases caused by fungi, bacteria, phytoplasmas, viruses, and nematodes. Students will develop skills to differentiate plant diseases caused by microbial pathogens from those caused by abiotic factors. Principles of plant disease management will be covered. Labs deal with basic techniques used in plant pathology, such as fungal, bacterial, and nematode isolation, identification, and inoculation.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

BIOA 0102 Plant Physiology and Stress Management

CREDIT HOURS: 2

This course is aimed at gaining an insight into various plant physiological, growth, and developmental processes and to develop a fundamental understanding and appreciation as to how various environmental factors influence growth, differentiation, and developmental processes in plants. The course also examines the impact of various abiotic stresses on plant growth and development, yield, and productivity, including acclimation and adaptation techniques. Plant diagnosis will be emphasized.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

BIOA 0103 Weed Science

CREDIT HOURS: 2

This course deals with the principles of weed science. Included are discussions on weed recognition, and chemical and non-chemical approaches to controlling weeds in various agricultural crops and in lawns and non-crop areas. Selection, safe use, handling, and storage of herbicides are stressed.

NOTES: Winter semester

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3

BIOA 0200 Entomology

CREDIT HOURS: 2

An introduction to the study of the phylum Arthropoda, with particular reference to the class Hexapoda (Insecta), emphasizing insect pests of the northeast. Anatomy, physiology, taxonomy, behaviour, and ecology of insects are considered during lectures and laboratory work. Discussions on the relationship of insects to humans, basics of insect control methods, and pesticide safety are included. Students will be required to prepare and submit an insect collection.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

Chemistry Courses

Courses

Below are courses offered in Chemistry by the Faculty of Agriculture. Please see the Chemistry Section in the Faculty of Science for courses offered on the Halifax campuses.

Course Descriptions

CHMA 0050 Preparatory Chemistry

CREDIT HOURS: 0

This non-credit course is designed for students who satisfy all other requirements for admission but lack the Grade 12 Chemistry course. The course will cover the basic material necessary for entrance into CHMA 1000, including review of the periodic table, nomenclature, chemical reactions, aqueous solutions, chemical bonding, and other topics as determined by a review of the class. CHMA 0050 is not intended to duplicate or replace Grade 12 Chemistry.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Approval of the Registrar

CHMA 1000 General Chemistry I

CREDIT HOURS: 3

This course is designed to help students understand chemical equations, reactions, and calculations. The chemistry of aqueous media is highlighted (properties of water, ionization of weak electrolytes, buffers). In addition to the traditional classroom interaction, students will be exposed to problem-based learning and co-operative learning. Students will learn the proper use of various analytical equipment and apparatus. The laboratory work will focus on the development of practical lab skills applicable to the agricultural and environmental industries.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Successful completion of academic Grade 12 Chemistry or equivalent.

CHMA 1001 General Chemistry II

CREDIT HOURS: 3

This second semester of General Chemistry will include a theoretical understanding of atomic and molecular structures. An understanding of physical equilibria will be extended to practical applications of chromatographic analyses.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 1000

CHMA 2000 Organic Chemistry I

CREDIT HOURS: 3

This course provides an introduction to the structure and reactions of organic compounds. The course is approached from a mechanistic point of view and has particular emphasis on appropriate spectroscopy (IR and MS). The topics covered in this course include chemical bonding, isomerism, acid-base properties and the isolation and purification of organic compounds. The classes of organic compounds covered will include alkanes, alkenes, alkynes, simple aromatics, organohalides, alcohols, and related compounds. Laboratory work will include introductory techniques of organic chemistry and both HPLC and gas chromatography.

NOTES: Fall semester

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 1001

CHMA 2001 Organic Chemistry II

CREDIT HOURS: 3

This course builds on work begun in CHMA 2000. Functional groups included here will be carbonyls (aldehydes, ketones, acids, and their derivatives), more complex aromatics, simple organometallics, and bifunctional organic compounds. The emphasis on mechanistic chemistry will continue, as will the study of appropriate spectroscopy (MNR and UV-Vis). In addition, an introduction to organic syntheses and biomolecules will be undertaken.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

CHMA 3001 Biochemistry

CREDIT HOURS: 3

The major focus of this course will be on the biochemical pathways and activities that account for the assimilation, transformation, degradation, and synthesis of the major macromolecules in living cells. These molecules include proteins, lipids, carbohydrates, RNA and DNA. Catalytic and regulatory strategies used by living cells will also be discussed. The final topic will be to examine and understand how metabolism consists of highly interconnected biochemical pathways.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

CHMA 3003 Advanced Integrated Chemistry Laboratory

CREDIT HOURS: 3

The course will cover advanced laboratory topics in the fields of inorganic, general, and organic chemistry. Whenever possible these topics will be chosen from the fields of environmental science or agriculture. In particular, the use of spectroscopic techniques for the identification of chemical compounds will be applied, where appropriate.

NOTES: Fall semester

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: CHMA 2001

CHMA 3006 Mammalian Biochemistry

CREDIT HOURS: 3

A study of the application of basic biochemical principles to the molecular functions of the diverse mammalian organ systems. The subject matter is divided into three parts: Body Fluids and Their Constituents, which includes such subjects as blood coagulation, the complement system, the immune system, and their control; Specialized Tissues, such as connective tissue, nervous tissue, and muscle tissue; and Biochemistry of the Endocrine System, with the focus on the principles of endocrine biochemistry and the mechanisms of hormone action. The topics covered include general principles and mechanisms of hormone action, prostaglandins, the thyroid gland, and the gonads, as well as the hypothalamus, hypophysis, and adrenals.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

CHMA 3009 Environmental Chemistry

CREDIT HOURS: 3

In this course students will undertake an in-depth study of the chemical processes involved in the pollution of the environment. Chemical pollution of the atmosphere, hydrosphere, and lithosphere will each be studied in depth. In each case, chemical solutions to these problems will be considered. Chemical processes such as dissolution, coordination, ion exchange, hydrolysis, ionization, and freezing point depression will be covered.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

CHMA 3010 Bio-Analytical Chemistry

CREDIT HOURS: 3

This course will equip the non-chemistry major with an understanding of the principles of chromatography, spectroscopy and electrochemistry, and their application in the analysis of agricultural, environmental and food samples. Students will have a hands-on experience on the use of analytical instruments including liquid chromatography (HPLC), gas chromatography, atomic absorption spectrophotometry, and UV-visible spectrophotometry. Laboratory sections will involve sample preparation and analysis, data interpretation and proper laboratory techniques with these analytical instruments.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

EXCLUSIONS: This course may not be taken for credit by students who have credit for CHMA 2002.

CHMA 3011 Food Chemistry (A)

CREDIT HOURS: 3

An introductory study of the chemistry of food and food components. The emphasis will be on water, fats, proteins, and carbohydrates (and related compounds) with an overview of vitamins, minerals, and additives. Methods of analysis will be discussed in detail and this will be augmented by hands-on laboratory experiences with these analytic procedures.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: CHMA 2000
EXCLUSIONS: This course may not be taken for credit by students who have credit for CHMA 3012.

CHMA 3012 Introductory Food Chemistry (A).

CREDIT HOURS: 3

An introductory study of the chemistry of food and food components. The emphasis will be on water, fats, proteins, and carbohydrates (and related compounds) with an overview of vitamins, minerals, and additives. Methods used for analysis of food components will be discussed in detail.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: This course may not be taken for credit by students who have credit for CHMA 3011.

CHMA 4001 Directed Studies in Chemistry

CREDIT HOURS: 3

Directed studies involve a suitable combination of directed reading, written assignments, individual study or laboratory research projects in the area of chemistry. Classes are organized and scheduled by appropriate faculty via a course coordinator. Students should approach potential instructors directly with their requests.

NOTES: Fall or Winter semester

PREREQUISITE: CHMA 2000 and 60 credit hours

CROSS-LISTING: Coordinator: J. Hoyle

Communications Courses

Degree Level Course Descriptions

CMMT 3000 Communication Theory and Skills (H)

CREDIT HOURS: 3

This course is designed to provide students with the opportunity to enhance their communication skills and knowledge. Since a key requirement of today's job market is the ability to communicate effectively, students will be exposed to the theory and the practice of communication. An important component of the course will be the emphasis on the practical application of communication knowledge.

NOTES: Winter semester

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: At least second-year standing

Technology Level Course Descriptions

CMMT 0020 Career and Employment Skills

CREDIT HOURS: 0

This course is designed to provide an introduction to job searching and hiring strategies. Through class discussion students will explore the world of work today, the hiring process, and the development of a personal career plan. Assignments will include resumé and cover letter writing, a networking exercise, and interview preparation. Restricted to students in the Diploma in Business Management program.

NOTES: Winter semester– This is a Workplace Readiness course required for all options in the Diploma in Business Management program.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CMMT 0021 Introduction to Public Speaking

CREDIT HOURS: 0

The objective of this course is to enhance the student's ability to prepare and deliver different types of presentations: informative, persuasive, and impromptu. Topics covered will include assessing audience needs, developing a strong focus, outlining different styles of presentations, and writing effective introductions and conclusions. Students will learn how to evaluate a presentation and make recommendations on how to increase its effectiveness. Tips for presenting ideas visually will also be discussed.

NOTES: Winter semester– This is a Workplace Readiness course required for all options in the Diploma of Business Management program.

FORMAT: Lab

LAB HOURS PER WEEK: 2

CMMT 0030 English for Academic Purposes

CREDIT HOURS: 0

This course will focus on enhancing English language skills (reading, speaking, writing, listening), critical thinking, and presentation skills required to be successful in an English university setting. Students who successfully complete CMMT 0030 will be considered to have met their English language requirement and are eligible to continue full-time studies at Faculty of Agriculture, Dalhousie.

NOTES: Fall semester

PREREQUISITE: NSAC/FAFU 2+2 program student who meets all of the NSAC B.Sc.(Agr.) admission requirements, has achieved a minimum score of 5.5 on the IELTS (530 TOEFL), and has been recommended by the FAFU Overseas Education College as a strong candidate

Computer Science Courses

Courses

Below are courses offered in Computer Science by the Faculty of Agriculture. Please see the Computer Science Faculty Section for courses offered on the Halifax campuses.

Degree Level Course Descriptions

CSCA 1000 Computer Methods

CREDIT HOURS: 3

A course to develop problem-solving and decision-making abilities and computational skills using computer software. Problems of a scientific and managerial nature will be chosen from a variety of agricultural fields. The course will cover word processing, spreadsheets, databases, programming, statistics, communications, graphics, and process control. Industry-leading software will be used.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CROSS-LISTING: CSCA 0200

CSCA 2000 Computer Science

CREDIT HOURS: 3

Introduction to problem-solving methods and algorithm development. Emphasis is on designing, coding, debugging, and documenting programs, using C.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

Technology Level Course Descriptions

Economics Courses

Courses

Below are courses offered in Economics by the Faculty of Agriculture. Please see the Economics Section in the Faculty of Science for courses offered on the Halifax campuses.

Degree Level Course Descriptions

ECOA 1000 Principles of Microeconomics (ADE)

CREDIT HOURS: 3

A course in comprehensive principles of microeconomic theory, covering the market system, producer and consumer theory, environmental and resource economics, and international trade policy. Emphasis in this course is on the application of economics to issues and problems facing many countries and their citizens today. The approach is practical and “real-world,” using microeconomic theory to develop an understanding of the issues and problems being discussed and the policy choices facing governments in dealing with these matters.

NOTES: Fall and Winter semesters; also offered as a web-based distance education course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ECOA 1001 Principles of Macroeconomics (H)

CREDIT HOURS: 3

This course introduces the student to basic macroeconomic concepts and to both short-term and long-term macroeconomic analysis. The basic macroeconomic concepts include economy-wide output, price level and inflation, asset prices and interest rates, international exchange rates among currencies, and the international balance of payments. The introduction to short-term macroeconomic analysis, or business-cycle analysis, is based on John Maynard Keynes’ work on the 1929–33 Great Depression. The introduction to long-term macroeconomic analysis is based on Robert Solow’s work on economic growth. Throughout the course macroeconomics is related to the historical experience of farmers and to contemporary macroeconomic forces affecting the agri-food sector.

NOTES: Winter semester

FORMAT: Lecture| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: ECOA 1000

ECOA 1002 Introduction to Economic Reasoning (INFB) (H)

CREDIT HOURS: 3

The macroeconomic aspect of this course is taught along with INFB International Food Policy and Environment as part of the International Food Business program in Module 1: Acquiring Knowledge of International Food Systems. Students will successfully complete a series of practical tasks/assignments while learning about the global food environment. Topics will include balance of trade, production possibilities, exchange rates, and monetary policy. The microeconomic aspect of the course will be taught along with MGTA1001 Introduction to International Business in Module 2: Analyzing Business Processes. Topics will include resource scarcity, supply and demand, and market structures and pricing.

NOTES: Fall Semester - Module #1 & #2 INFB

ECOA 2000 Intermediate Microeconomics (H)

CREDIT HOURS: 3

A course in microeconomics at the intermediate level. Topics include the theory of the firm, consumer theory, markets and market structure, and externalities and public goods. All major concepts are presented graphically and some are studied using basic mathematics as well.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECOA 1000

ECOA 2001 Intermediate Macroeconomics (H)

CREDIT HOURS: 3

This course extends the Principles of Macroeconomics course to the intermediate level. Short-term, or business-cycle, macroeconomics is progressed from the introductory Keynesian income determination model to the IS-LM model, and then to the Aggregate Demand/Aggregate Supply model. The long-term macroeconomic content advances the introductory economic growth model in considering the relative importance of the factors determining the overall rate of economic growth. Throughout the course macroeconomic theory is related to macroeconomic policy goals, stabilizing the economy in the short term and promoting improvement in economic well-being in the long term.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECOA 1001

ECOA 2003 Agricultural Futures and Options (AH)

CREDIT HOURS: 3

The course begins with an introduction to agricultural futures markets. This leads into a study of fundamental and technical analyses of futures markets. This part of the course concludes with a consideration of price risk management using futures markets. Following is an introduction to options markets and price risk management using options. The course concludes with a topic of importance when exporting or importing agricultural commodities internationally: managing exchange-rate risk using futures and options.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECOA 1000

ECOA 2004 Issues in Environmental Economics (AH)

CREDIT HOURS: 3

This course is designed as an introduction to environmental and resource economics issues and policy. Students will learn how economic analysis is applied to questions concerning use, management and conservation of natural resources, as well as market failures. Frameworks for measuring environmental costs and benefits and for exploring the efficiency of pollution control policies will also be developed. The impact of environmental and resource issues on the agri-food industry at all levels in the marketing chain will be examined. Applications include air and water pollution and global environmental problems, including climate change.

NOTES: Winter semester

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECOA 1000

ECOA 3000 Mathematical Economics (H)

CREDIT HOURS: 3

Introduction to the frequently used mathematical methods of economic analysis. The course provides the student with the basics required in more advanced economics courses. Areas of concentration include elements of mathematical economic models, linear models and matrix algebra, applications of calculus to economic problems, and optimization theory.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MTHA 1000, ECOA 2000

ECOA 3002 Agricultural and Food Policy (AH)

CREDIT HOURS: 3

This course introduces students to the structure of the agri-food industry and the process of policy and implementation. A critical assessment of the institutions (organizations, programs, and policies) in agriculture is the main focus of the course. Through guest speakers, students' presentations, interactive class discussions, and lectures, students will learn how policies are developed and who is involved in the policy development process. An historical appreciation for agricultural policy in

Canada will be pursued with a critical assessment of these policies. In reviewing policy problems affecting the agri-food industry, students will examine possible solutions to these issues. Topics covered include: reasons for government intervention; historical development of agri-food policy in Canada; the policy process; players in agriculture and food policy; structure of provincial, federal, and cost-shared programs; consumers and food policy; resource and environmental policy; international agricultural and food policies; trade agreements; and agribusiness involvement in agriculture and food policy.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECOA 1000 and at least second-year standing

ECOA 3003 Mathematical Programming (AH)

CREDIT HOURS: 3

An introduction to the theory and application of mathematical programming in the agri-food industry. The role of matrix algebra in determining linear programming solution procedures is developed. The information requirements, organization, and skills of model building are also introduced. The course will make extensive use of computer algorithms that permit students to model real-world systems in the production, resource supply, service, and retail sectors of the agri-food industry.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 4

LAB HOURS PER WEEK: 1

PREREQUISITE: ECOA 3000

ECOA 3004 Agricultural Markets and Prices (AH)

CREDIT HOURS: 3

An introduction to agricultural market and price analysis as a field of study within agricultural economics. An applied microeconomics approach is taken to studying agricultural supply and demand, price discovery, and market structure for crop and livestock products. In addition to cash (spot) markets, agricultural futures and options markets are studied, including managing agricultural commodity price risk by hedging.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECOA 2000

ECOA 3006 Statistics for Economics and Business (H)

CREDIT HOURS: 3

This course is designed to train students in the application of statistical methods to business and economics problems. Emphasis will be given to the application of quantitative and qualitative methods to real-world problems in order to provide students with context in applications. Particular attention will be paid to both the art as well as the science of data analysis. Students will conduct analysis of data, using methods discussed in class, as a term project.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: STAA 2000

ECOA 4000 Advanced Microeconomics (H)

CREDIT HOURS: 3

This course is intended to give students an advanced treatment of Microeconomics. It is strongly recommended for those students wishing to undertake graduate work in economics, agricultural economics, or resource and environmental economics. Topics will include production economics, profit functions, cost functions, supply functions, and factor demand. An advanced treatment of demand theory will also be presented, including Hicksian and Marshallian demands, derived via Slutsky's equation. Both primal and dual approaches will be discussed.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECOA 2000, ECOA 3000

ECOA 4004 Trade (AH)

CREDIT HOURS: 3

This course will provide students with an understanding of the factors that influence the exchange of products, with particular emphasis on trade interventions and institutions. Students will be introduced to trade theory, which they will use to evaluate trade policy issues. Students will learn how various government policy instruments and institutions affect international and interregional trade. Also, the complex set of rules and regulations governing international trade, such as the WTO, will be analyzed. The consequences of, and linkages among, international trade, the environment, and economic development will also be pursued.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECOA 2000 and third-year standing

ECOA 4005 Advanced Macroeconomics (H)

CREDIT HOURS: 3

This course provides a concise, mathematical coverage of classic issues in macroeconomic theory. The course starts with the classical model of a closed economy. A reconsideration of the labour market leads to the Keynesian model. An alternative treatment of the capital market underlies Tobin's dynamic aggregative model. The role of inflation expectations is explored under the contrasting cases of economic agents having adaptive expectations and perfect foresight. By integrating macroeconomic thinking and mathematical reasoning in the context of non-stochastic models, the course is also preparatory to graduate studies in economics.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3
PREREQUISITE: ECOA 1001, ECOA 3000

Technology Level Course Descriptions

ECOA 0100 Introductory Microeconomics

CREDIT HOURS: 2

An introduction to the theory of the firm. The course examines the theory of demand and supply, distribution of income, forms of business organizations in Canada, and the levels of competition in the agricultural industry. Application of the various theories to explain the agricultural industry is stressed.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ECOA 0202 Production Economics

CREDIT HOURS: 2

An introduction to the study of economic principles used to analyze production and resource use in agriculture. Areas of emphasis include economic examination of the factor/factor, factor/product, and product/product relationships of the farm production system. Practical examples and lab exercises are used to illustrate and reinforce the concepts presented in the classroom.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECOA 0100

Engineering Courses

Courses

Below are courses offered in Engineering by the Faculty of Agriculture. Please see the Faculty of Engineering Section for courses offered on the Halifax campuses.

Course Descriptions

ENGN 1001 Engineering Design I

CREDIT HOURS: 3

Students are introduced to the concept of Engineering Design and the design process. Procedures and conventions for the preparation of engineering drawings and technical reports are presented. Students develop skills in manual drawing and computer aided drafting.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 1002 Engineering I

CREDIT HOURS: 3

Students are introduced to the history of engineering up to the modern-day professional societies. The fundamental theory for engineers begins with statics, which teaches the concepts of particle and rigid body equilibrium. Students will apply vector algebra to work with position and force vectors, moments of forces, couple moments, and equilibrium of 2- and 3- dimensional bodies. Structural applications, such as 2-dimensional trusses, frames and simple machines, shear forces and bending moments in beams are presented. Coulomb friction, centroids and centres of mass, as well as area moments and products of inertia, are also included.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 1006 Introduction to Professional Engineering in Canada

CREDIT HOURS: 3

This course will introduce first year engineering students to the engineering profession. Topics will include an introduction to the history of engineering in Canada, the role of professional engineers, the code of ethics, engineering societies and the importance of communication. Students will learn valuable skills such as time management, technical writing, development of engineering documents and presentation skills including graphics tools commonly used by engineers. An overview of engineering measurement, error, basic statistics and random error probability distribution will also be covered. Finally engineering practice will be discussed with topics including the design process, interaction of engineers with the business world, intellectual property, scheduling projects, safety and risk in engineering and sustainability of projects in the environment.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ENGN 2005 Dynamics

CREDIT HOURS: 3

The dynamics course represents the second course in the study of engineering mechanics. Topics include kinematics, kinetics, work and energy, and linear and angular impulse momenta of a single particle and of rigid bodies in planar motion. There will be some computer applications wherever appropriate.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MTHA 1001, PHYS 1000 or PHYS 1002

ENGN 2014 Bioresource Processing

CREDIT HOURS: 3

This course deals with the technologies of converting biomass into upgraded fuels as well as direct combustion. Students are introduced to biomass conversion; physical conversion of biomass (drying, dewatering, densification); thermo-chemical conversion of biomass (torrefaction, pyrolysis, gasification, combustion); heat and power applications; biogas production (digester design and kinetic considerations); ethanol and bio-diesel conversion technologies; and environmental impacts.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 2202 Fundamentals of Environmental Engineering

CREDIT HOURS: 3

This course introduces Environmental Engineering by introducing principles, applications, and design concepts pertinent to water quality and pollution, drinking and waste water treatment, solid and hazardous waste management, and air pollution and control. The role of process engineering for the protection of the physical environment will be stressed. A quantitative technical approach will be used, as befitting an engineer in environmental infrastructure planning/designing.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 1000 and CHMA 1001

ENGN 3000 Electric Circuits

CREDIT HOURS: 3

This course covers the fundamentals of electric circuit analysis using Kirchoff's current and voltage laws, Thevenin's, Norton's, superposition, and source transformation for DC and AC circuits. Circuit components include resistors, capacitors, inductors, voltage, and current sources. PSpice simulation software, multimeters, and oscilloscope are used in lab exercises to familiarize students with circuits analysis.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: PHYS 1003

ENGN 3002 Thermo-Fluids I

CREDIT HOURS: 3

Thermodynamics is a study of energy and energy transfers in the form of work and heat, and the effect these transfers have on the properties of selected substances.

First and second law analyses are covered, including entropy, availability, and efficiencies.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PHYS 1000 or PHYS 1002

ENGN 3004 Digital Circuits

CREDIT HOURS: 3

This course includes an introduction to Boolean algebra, encoders, decoders, shift registers, and asynchronous and synchronous counters, together with timing considerations. Design of asynchronous circuits, synchronous sequential circuits, and finite state machines is covered. Karnaugh mapping techniques and state tables and diagrams are taught. Programmable logic is introduced. Contemporary computer-aided design and analysis software is used throughout the course.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 3006 Engineering II

CREDIT HOURS: 3

This course teaches the concept of stress, strain and deformation of a solid body subjected to static forces. Topics considered include: stresses and strains under axial, bending, torsional and combined loadings; transformation relations for stresses and strains; Mohr's circle for stress and strain; strain gauges; mechanical properties of materials; and failure theories.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

COREQUISITE: MTHA 1001

PREREQUISITE: PHYS 1000 or PHYS 1002

ENGN 3008 Electrical Circuits II

CREDIT HOURS: 3

This course covers advanced circuit analysis techniques, starting with sinusoidal excitation. The concepts of phasors and complex impedance are fully developed. Mutual inductance and magnetically coupled coils are used to introduce transformer behaviour and performance. Real and reactive power flow is covered before the introduction of balanced three-phase circuits for power distribution. Symmetrical components are introduced as a means of dealing with unbalanced networks. The concepts of grounding and harmonics are also introduced.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 3011 Thermo-Fluids II

CREDIT HOURS: 3

This course builds on the introduction to fluid mechanics in ENGN 3002 to present engineering concepts of fluid mechanics and energy. The course completes fluid statics from ENGN 3002; covers dimensional analysis; emphasizes the notion of control volume needed to properly solve thermal fluid problems using the conservation laws presented as integral relations; treats flow in ducts, putting emphasis on head losses (friction and minor); and presents a practical theory of turbomachinery. The different concepts studied during the course are brought together at the end in a series of design examples and design problems.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGN 2005 or permission of the instructor

ENGN 3016 Engineering Economy

CREDIT HOURS: 3

This course deals with the economics of decision-making. After introducing fundamental concepts and cash-flow diagrams, interest factors are dealt with in some detail. A variety of discounted cash-flow techniques are covered, including rate-of-return calculations. Inflation, accounting, tax, and risk are also among the topics considered.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENGN 3017 Engineering Design II

CREDIT HOURS: 3

This course provides a project-based exercise in the engineering design process. Students work on defined projects which apply knowledge and skills from their first three semesters. The projects encompass design method, conceptual design, design selection, detailed analysis, CAD and simulation tools, engineering drawings, safety, and preparation of profession technical reports. Discipline-specific projects are assigned. All projects involve evaluation/testing of student designs, depending on the discipline section, either through construction and testing of a physical prototype or development and testing of an engineering simulation model.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGN 1001, ENGN 3006

English Courses

Courses

Below are courses offered in English by the Faculty of Agriculture. Please see the English Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Degree Level Course Descriptions

EGLA 1000 Composition (H)

CREDIT HOURS: 3

This course has two main objectives: to introduce what is involved in essay, literature review, and other university-level writing tasks, and to facilitate improvement of students' critical thinking, reading, and writing skills. With these aims in mind, students are engaged in reading, research, and the processes of writing through composing, revising, editing, and proofreading. The course employs an approach that involves writing across the disciplines.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EGLA 1001 The Novel (H)

CREDIT HOURS: 3

In this course, four to six novels will be read, discussed, and analyzed. In the process, students will acquire a vocabulary for talking about literature, and will put to use

critical reading and writing skills. They will also learn how the novel can be a window into the historical age in which it is written, illuminating issues such as colonialism, gender relations, culture, race, ethnicity, or the differences between rural and urban life. Novels selected will vary from year to year, but may include those written by Chinua Achebe, Emily Brontë, Kate Chopin, Joseph Conrad, Daniel Defoe, Charles Dickens, Antonine Maillet, Toni Morrison, Gabrielle Roy, Mary Shelley, Oscar Wilde, and others.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EGLA 1002 Nature in Literature (H)

CREDIT HOURS: 3

This course explores the ways in which nature is represented in literature through selected works by a number of authors of fiction, non fiction and poetry, including Margaret Atwood, Wendie Berry, John Clare, Dorothy Wordsworth, Henry David Thoreau, Nathaniel Hawthorne, and others.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EGLA 1003 Business Writing (INFB) (H)

CREDIT HOURS: 3

International business writing is an essential skill in today's business world. This course will provide opportunities to learn how and when to write effective proposals, letters, and memos. The work will be assigned as part of Modules 1 & 2 in the international Food Business program.

NOTES: Fall Semester - Module #1 & #2 INFB

EGLA 1005 Academic Writing – International Students (H)

CREDIT HOURS: 3

The objective of this course is to develop the skills necessary to write papers and reports at a university level. The course is designed specifically for students whose first language is not English, and it will focus on the process of writing from the development of a thesis or objective to the editing of the final document. Some of the topics include: selecting different types and styles of papers and reports, researching and presenting appropriate academic documentation, organizing material, preparing the initial draft, and proofreading and editing. The course will also focus on enhancing the student's capacity to write in English.

NOTES: Fall semester – Students whose first language is English are not eligible to take this course.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

Technology Level Course Descriptions

EGLA 0100 Technical Writing

CREDIT HOURS: 2

EGLA 0101 Writing for Business

CREDIT HOURS: 2

The objective of this course is to develop the reading and writing skills necessary to write at a technical level and to develop appropriate writing strategies for business documents. The course will focus on the process of writing from the development of a thesis, researching for information, and writing the initial draft through to proofreading and editing. Typical business documents to be discussed include: proposals, letters, e-mails/memos, and reports. Some of the topics include: tailoring writing to the audience, selecting templates for documents, researching and presenting documentation, using word processing packages to create professional documents, and proofreading and editing.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

Environmental Sciences Courses

Courses

Below are courses offered in Environmental Sciences by the Faculty of Agriculture. Please see the Environmental Sciences Section in the Faculty of Science for courses offered on the Halifax campuses.

Course Descriptions

ENVA 2000 Environmental Studies I (A)

CREDIT HOURS: 3

This is the first of a two-semester course sequence that deals with environmental issues from both an agricultural and a socio-economic basis. The scientific principles of each issue will first be outlined and explained, and then the agricultural and socio-economic aspects of the issue will be examined. The topics to be emphasized in this course will include issues associated with population growth, the atmosphere, and the hydrosphere. Students will be expected to show their understanding of the interplay between agriculture and environmental issues by writing a major term paper.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: 8 technical or degree course credits

EXCLUSIONS: Students can receive credit for either APSC 2012 or ENVA 2000, but not both.

ENVA 2001 Environmental Studies II (A)

CREDIT HOURS: 3

This is the second of a two-semester course sequence that deals with environmental issues from both an agricultural and a socio-economic basis. All aspects of the issues will be integrated to provide an overall view of each issue. The topics to be emphasized in this course will include issues associated with biodiversity, the lithosphere, waste management, and legal aspects of the environment. Students will be expected to show their understanding of the interplay between agriculture and environmental issues by writing a major term paper.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENVA 2000

ENVA 2002 Composting and Compost Use (A) DE

CREDIT HOURS: 3

Composting and the utilization of organic matter produced on the farm provide the basis for soil fertility in organic systems; however, potential benefits derived from compost use are often limited by the supply and quality of composts produced on-farm. The objective of this web-based course is to teach composting primarily by providing students with the opportunity to make their own compost over a period of 13 to 15 weeks. Students learn through five stand-alone modules*: Composting of Organic Materials (how the underlying principles of composting are applied when combining various feedstock materials for composting); Composting Process (how to evaluate and manage an actively working pile and troubleshoot to maintain optimum conditions for composting); On-Farm Composting (efficient and low cost composting methods for agricultural composting at various scales); Compost Quality (how to evaluate the quality of the finished compost, as well as the quality requirements of various standards, markets, and end uses for compost); and Compost Utilization and Marketing (considerations and requirements for the optimal use of compost in organic greenhouse crop production and organic farming systems, as well as factors which are important in the marketing of compost).

NOTES: Fall semester – * Note that making compost and completing all five modules will be a requirement for students who are taking the course for credit. Students who are not taking the course for credit may also decide to make compost and complete all five modules; however, this is not a requirement for non-credit students. To provide maximum flexibility for non-credit students, the modules are offered as independent (stand-alone) units.

ENVA 3000 Environmental Impact Assessment

CREDIT HOURS: 3

An introduction to the study and assessment of environmental toxicity and ecotoxicology as they are used to predict the environmental impact of agricultural, industrial, and other xenobiotics and associated processes. The laboratory portion of the course will deal primarily with bioassay and assessment techniques.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENVA 2000, ENVA 2001

ENVA 3001 Environmental Sampling and Analysis

CREDIT HOURS: 3

This course will introduce students to the proper methods of sampling and experimental design for biological and chemical analyses, as well as for environmentally oriented surveys. Emphasis will be given to the actual collection of samples and their subsequent analysis.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: STAA 3000

ENVA 3002 Waste Management and Site Remediation (A)

CREDIT HOURS: 3

This course will examine the following topics: pollution from wastes, waste disposal and treatment, the use of wastes, wastes as resources, recycling, composting, waste reduction, incineration, biomass from wastes, biogas production, site remediation, and bioremediation. Agricultural wastes will be emphasized throughout the course.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENVA 2001 or APSC 2012

ENVA 3003 Environmental Studies Field Course

CREDIT HOURS: 3

This 12-day course is designed to provide students with an opportunity to pursue a holistic approach to solve real environmental problems. It will be held at (an) environmentally significant site(s). Students will be expected to pre-plan and to perform on-site analyses to identify any environmental problems. An interim report of findings will be required during the course. After completion of the field work, students are expected to write a report of their findings with appropriate recommendations regarding solutions to identified problems. Students should contact the course instructor prior to October 15 in the preceding Fall semester for scheduling information about the course. Expenses associated with the course are the responsibility of the student. The course is offered subject to enrollment.

NOTES: Summer session

PREREQUISITE: 30 degree credits, including ENVA 2000 and ENVA 2001

ENVA 3004 Principles of Pest Management (A)

CREDIT HOURS: 3

An investigation of the philosophy of pest management. Topics will include the study of different approaches to pest management and an assessment of the use of single versus integrated pest control options. Costs of pest control from economic, social, and environmental perspectives will be discussed.

NOTES: Fall semester

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOA 1003

ENVA 3021 Ecohydrology (A)

CREDIT HOURS: 3

This course deals with the emerging green science and technology management tool of ecohydrology and the design of best management practices (BMPs) for water resource protection and use. Topics to be covered include: non-point source pollution, drainage and irrigation; soil erosion and deforestation; and the BMPs of buffer strips, nutrient entrapment, and runoff and wastewater management. Many topics for discussion deal with agricultural development in Canada and developing nations.

NOTES: Fall semester

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENVA 4000 Pesticides in Agriculture (A)

CREDIT HOURS: 3

A course dealing with various aspects of pesticides used in agriculture. The course will look at pesticides from their origin and development to their registration, sale, distribution, and use. Also included are discussions of safety and toxicology.

NOTES: Winter semester

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Preparatories: BIOA 2005, BIOA 3000, BIOA 3002

ENVA 4002 Economic Entomology (A)

CREDIT HOURS: 3

An introduction to the study of economic entomology from an agricultural perspective, covering principles of insect control (natural, mechanical, physical, cultural, biological, and legal), including chemical and biochemical control, and insecticide development, formulation, and application. This course stresses the theory of integrated pest management (IPM).

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 3000

ENVA 4003 Advanced Weed Science (A)

CREDIT HOURS: 3

DEals with principles of weed science from an ecological perspective. Included are discussions on ecology and management of weeds in traditional agro-ecosystems as well as in low-input sustainable agricultural systems. The roles of biological, cultural, and chemical controls in these systems will be stressed.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOA 3002

ENVA 4005 Geographic Information Systems (GIS) (A)

CREDIT HOURS: 3

The objective of this course is to provide both a theoretical and a practical understanding of GIS concepts and GIS application skills as it relates to ESRI ArcGIS© software. Practical training and application skills will be acquired doing laboratory sessions, whereas GIS foundations and concepts will be provided during lectures. The application of GIS technologies will focus on data sets derived from environmental science, soil science, or agriculture generally. A component of this class will be the application of GIS technologies to a student-defined problem or issue.

NOTES: Fall semester – This course has limited enrollment.

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: At least third-year standing

ENVA 4006 Air, Climate and Climate Change (A)

CREDIT HOURS: 3

This course examines the composition of our atmosphere, how it functions to create weather and climate, and its role in agricultural production. A fundamental understanding of chemistry and physics of atmospheric processes will provide the basis for an examination of micro-, regional- and global-scale meteorological processes. The expression of these meteorological processes will be examined over time and space as a means of examining climate and climate change. The role of weather and climate in agricultural production will be discussed. The global debate surrounding anthropogenic greenhouse gas emissions and climate change will be considered from scientific, social and political perspectives. Agricultural adaptation to climate change, both regionally and globally, will be considered. The laboratory portion of the class will examine the tools for measuring the composition of the atmosphere, the physical state of the atmosphere, the transfer of heat and mass to and within the atmosphere, and the use of weather and climate data in agricultural decision-making.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENVA 2000

ENVA 4007 Directed Studies in Environmental Science

CREDIT HOURS: 3

Directed studies involve a suitable combination of directed reading, written assignments, individual study or laboratory research projects in the area of environmental sciences. Classes are organized and scheduled by appropriate faculty via a course coordinator. Students should approach potential instructors directly with their requests.

NOTES: Fall or Winter semester

PREREQUISITE: ENVA 2000, ENVA 2001, and 60 credit hours

ENVA 4008 Directed Studies in Pest Management (A)

CREDIT HOURS: 3

Directed studies involve a suitable combination of directed reading, written assignments, individual study or laboratory research projects in the area of pest management. Classes are organized and scheduled by appropriate faculty via a course coordinator. Students should approach potential instructors directly with their requests.

NOTES: Fall or Winter semester - Extension Education

PREREQUISITE: One of BIOA 2005, BIOA 3000, BIOA 3002 (as per topic chosen) and 60 credit hours

Extension Education Courses

Course Descriptions

EXTE 3001 Leadership Development and the Social Action Process (H)

CREDIT HOURS: 3

Students will be looking at leadership development from a number of angles: current theories, leader identification, and leadership skills. The impact of leadership on the social action process will be analyzed in the context of rural communities. Analysis of the social action process will focus on participatory approaches to rural community development and extension. Students will have the opportunity to enhance personal leadership skills through discussion and practice.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: At least third-year standing

Food Science Courses

Degree Level Course Descriptions

FOOD 1000 Food Safety and Quality Assurance (INFB)

CREDIT HOURS: 3

This course is part of Module 3 of the International Food Business program - Analyzing Food Chains. It provides students with an introduction to food safety and quality assurance issues and developments. Topics include quality assurance systems both public and private, legislation and traceability.

NOTES: Winter Semester - Module #3 INFB

FOOD 3001 Functional Foods and Nutraceuticals (A)

CREDIT HOURS: 3

Interest in functional foods and nutraceuticals is growing rapidly and it has emerged as a new frontier of the agri-food and nutrition industry worldwide. This course provides a basic scientific knowledge of bioactive plant compounds (phytochemicals) present in functional foods and nutraceuticals. Emphasis will be given to phytochemical biosynthesis, classification, distribution among food and medicinal crops, analysis, and current scientific knowledge on the potential health benefits of the bioactive phytochemicals. The course also introduces global marketing trends, government regulations, principles of designer food, and value-added food processing concepts in functional foods and nutraceuticals.

NOTES: Fall semester; alternate years

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHMA 2000

FOOD 4000 Directed Studies in Food and Bioproduct Science (A)

CREDIT HOURS: 3

Directed studies involve a suitable combination of directed reading, written assignments, individual study or laboratory research projects in the area of food and bioproduct science. Classes are organized and scheduled by appropriate faculty via a course coordinator. Students should approach potential instructors directly with their requests.

NOTES: Fall and Winter semester

PREREQUISITE: CHMA 2000 and 20 degree credits; students taking FOOD 4000 are strongly encouraged to take CHMA 2003 or CHMA 2004

FOOD 4001 Food Quality and Safety (A)

CREDIT HOURS: 3

The various aspects and considerations of food safety will be discussed and contrasted with aesthetic, nutritional, convenience, economics quality attributes. An integrated understanding of the various regulatory and industry approaches to ensuring the safety and quality of food will highlight HACCP, TQM, ISO standards, SPQC as well as hygienic and sanitation practices. Emerging trends, both national and international, will be included in class discussions. An overview of approaches and consideration in product development will be included. Students will apply this knowledge by designing a QA program for a new food product.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

FOOD 4002 Advanced Food Chemistry (A).

CREDIT HOURS: 3

This course, which builds on CHMA 3011 (or CHMA 3012), will provide an in-depth study of selected food components including vitamins, colorants (natural and artificial), nutraceuticals and textural agents. Beneficial and/or deleterious interactions between food components will be examined (Maillard, caramelization, rancidity, and enzymatic reactions). Recent advances in processing technology will be introduced as time permits.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHMA 3011 or CHMA 3012

EXCLUSIONS: This course may not be taken for credit by students who have credit for CHMA 3007.

FOOD 4003 Impact of Food on Health

CREDIT HOURS: 3

This course introduces students to topics related to the relationship between food, human nutrition and health. Topics to be covered include biochemistry of foods, dietary food intake, energy balance and body weight and personalized nutrition. Emphasis will be made on the role of food in the development of health conditions including obesity, diabetes, cardiovascular disease, food allergy and celiac disease. This course also introduces students to food and nutrient requirements across the human lifecycle, and consumer food choices that impact health.

FORMAT: Lecture

FOOD 4004 Directed Studies in Nutriscience

CREDIT HOURS: 3

This course introduces students to topics on how individual human genetic differences interact with absorption, bioactivity, metabolism and elimination of dietary components (nutrigenomics) and consequent impact on the function of the human body. There will be class discussions on how gene-nutrient interaction affects the sensory system, food selection, disease and overall health status. The course will be based on lectures, discussions, student presentations and a critical review of the literature on selected topics.

FORMAT: Lecture

Technology Level Course Descriptions

FOOD 0020 Topics in Agriculture & Food Enterprise Management

CREDIT HOURS: 0

Students participate in an examination of the structure of agri-food industry and of the context in which individual enterprises operate. They are required to identify current issues facing the agri-food industry at all levels, and to examine their potential impact on sustainability and opportunities in the Atlantic Canadian industry.

NOTES: Winter semester– This is a Workplace Readiness course required in the Agriculture option of the Diploma in Business Management.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 1

French Courses

Courses

Below are courses offered in French by the Faculty of Agriculture. Please see the French Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Course Descriptions

FRNA 1000 French Language I (H)

CREDIT HOURS: 3

This course is designed to fill the needs of students who have studied French in high school, and is intended to review grammar and provide an opportunity to polish and refine language skills. Classes will emphasize basic grammatical structures, pronunciation, listening comprehension, and speaking skills. FRNA 1000 is designed to provide the student with opportunities to use the language and enhance written, spoken, and comprehension skills. This course is not intended as an introduction to the French language. Students whose first language is French or who are fluent in the French language are not eligible to take this course.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Grade 12 French or equivalent within the last five years

FRNA 1001 French Language II (H)

CREDIT HOURS: 3

This course is designed to fill the needs of students who have already studied French, and is intended to review grammar and provide an opportunity to refine language skills. Classes will emphasize basic grammatical structures, pronunciation, listening comprehension, and speaking skills. FRNA 1001 is designed to provide the student with opportunities to actively use the language. This course is intended not as an introduction to French language but as a review and continuation of the major aspects of FRNA 1000. It is expected that students have a basic grasp of French grammar and some vocabulary. Students whose first language is French or who are fluent in the French language are not eligible to take this course.

NOTES: Winter semester
FORMAT: Lecture| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: FRNA 1000

Genetics Courses

Course Descriptions

GENE 2000 Genetics

CREDIT HOURS: 3
This course studies heredity and variation in plants and animals, including man, and the relationships of genetics to evolution and breeding practices.
NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

GENE 3000 An Introduction to Molecular Genetics

CREDIT HOURS: 3
The objective of this course is to provide students with a general foundation in molecular genetics and recombinant DNA technology. Replication, transcription, protein synthesis, recombinant DNA, and the regulation of gene expression in procaryotes and eucaryotes will be studied in detail. Ethical and legal issues related to the production, testing, and ownership of genetically engineered organisms will be discussed. In the laboratory, students will be exposed to a range of molecular genetic techniques, including isolation and restriction site mapping of bacterial plasmids, bacterial transformation, isolation and restriction enzyme digestion of genomic DNA, and PCR amplification. Students completing this course will be able to read original research papers in the molecular genetic literature, and will be prepared for advanced training in molecular biology, plant breeding, or animal breeding.
NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: GENE 2000, preparatory: one course in biochemistry

GENE 3001 Population and Quantitative Genetics

CREDIT HOURS: 3
An introduction to population and quantitative genetics, with particular emphasis on the forces causing genetic change in populations. Applications from natural populations, conservation biology, and plant and animal breeding will be used to illustrate theories of evolution and modern breeding methods. Contemporary ideas about evolution at both the molecular and organismal levels will be explored. Laboratory sessions include discussion of concepts and use of computer simulations to model populations under natural and artificial selection.
NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: GENE 2000, STAA 2000

GENE 4000 Molecular Applications to Animal Production (A)

CREDIT HOURS: 3
This upper-level course is designed for students interested in the molecular and cellular techniques that are being applied to animal production systems and research. Topics include molecular techniques used in research, DNA fingerprinting, marker-assisted selection, embryo IVF/sexing/nuclear transfer, recombinant protein production, the use of recombinant microbes in ruminants, and stem cell and transgenic animal production.
NOTES: Fall semester
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: CHMA 3001 (or CHMA 2005), GENE 3000

GENE 4003 Biotechnology

CREDIT HOURS: 3
Biotechnology includes the generation of new medicine, generation of biofuel, new chemicals and materials, removal of pollutants, and production of better and safer foods. The objective of this course is to provide students with general information on the theory and technologies that are currently used in biotechnology. Course topics will include gene identification, transformation and expression regulations, tissue culture and cell culture techniques, and other genomics-related agricultural applications. Nutraceutical and pharmaceutical applications will be addressed.
NOTES: Fall semester
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: GENE 2000
CROSS-LISTING: AGRI 5750

GENE 4004 Laboratory Techniques in Genomics

CREDIT HOURS: 3
An intensive course that provides hands-on training in manipulations used routinely in molecular labs. An exercise for both hands and minds; students will work in pairs and should be prepared to spend four hours per laboratory session as well as two hours of instruction and preparation on the day immediately preceding lab class. Laboratory reports will account for the bulk of the mark, with a participation score and a final exam rounding out the grade.
NOTES: Winter semester

FORMAT: Lab
LAB HOURS PER WEEK: 6
PREREQUISITE: GENE 3000 or GENE 4000

Geography Courses

Courses

Below are courses offered in Geography by the Faculty of Agriculture. Please see the Geography Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

GEOA 1000 Introductory Human Geography (H)

CREDIT HOURS: 3

This course is an introduction to the field of Human Geography. The objectives of the course are to present the spatial point of view on human/land interactions. Lectures, readings, and assignments consider geographical patterns, processes, and problems in rural and urban settings. Some emphasis will be given to the Canadian and Atlantic region contexts.

NOTES: Winter semester

FORMAT: Seminar

GEOA 3000 Rural Geography (H)

CREDIT HOURS: 3

This course focuses on rural geographic problems in Canada and the Atlantic region. Discussion will include, for example, rural land use issues, settlement dynamics, rural resource problems, urban/rural interaction, agricultural change, rural well-being, and rural planning. The geographic perspective emphasizes spatial variability and human/land interactions.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: GEOA 1000

Geology Courses

Courses

Below are courses offered in Geology by the Faculty of Agriculture. Please see the Geology Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

GELA 2000 Introduction to Geology

CREDIT HOURS: 3

This course introduces the student to the basic concepts of Earth Science and Physical Geology. Geology, as a subject matter area in the Earth Sciences, is closely related to soil science. This course will examine the nature of Earth materials as well as Earth processes, both internal and surface. Minerals, rocks, earthquakes, streams, and groundwater are just some of the areas investigated in this course. Many geological processes are of importance to the Environmental Sciences because an understanding of Earth processes is fundamental for the understanding of human impacts on our landscape.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

History Courses

Courses

Below are courses offered in History by the Faculty of Agriculture. Please see the History Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

HISA 1000 Introduction to Canadian History I1000–1867 (H)

CREDIT HOURS: 3

This course introduces students to the theory and practice of history through a general historical survey of Canadian history for the period from approximately 1000 CE [Common Era] to about the mid- 19th century. Historical theories and methodologies will be introduced in this course. A social and/or cultural approach is emphasized, with focus on Aboriginal peoples and Contact; Acadia and New France; and British North America to Confederation.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

HISA 1001 Introduction to Canadian History II1867–Present (H)

CREDIT HOURS: 3

This course will examine the problems of modernity, through an exploration of Canadian history from the mid- 19th century through to the present. Political, social, and cultural developments and transformations will be emphasized. In addition to the exploration of Canadian history from Confederation to the present, students will be introduced (or, in the case of those who have previously taken HISA 1000, reintroduced) to concepts, theories, and methodologies employed in historical study.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

HISA 3000 Rural History (H)

CREDIT HOURS: 3

This course will introduce students to selected problems in the study of rural history. Problems to be considered in at least two time periods may include the following: the problem of change in rural society vis à vis industrialization; the intersection of national, ethnic, and other “identity” with rurality; the changing nature of work in rural societies; rural political movements; idealizations or distortions related to the concept of rural; agriculture and other “cultures” in the rural context of the past.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: HISA 1000 or HISA 1001

Horticulture Courses

Undergraduate Degree Level Course Descriptions

HORT 1000 Landscape Plants I

CREDIT HOURS: 3

Herbaceous and woody plants are studied with respect to their identification, landscape value, and use. Special groups of plants to be studied include plants with fall interest, shade-loving plants, groundcovers, and vines, as well as many other plants suited to Atlantic landscapes, all of which are plants required for Landscape Industry Certification. The lab involves the study of plant families, plant morphology, use of plant keys, plant collecting, and digital herbarium specimens.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

HORT 1001 Landscape Plants II

CREDIT HOURS: 3

Herbaceous, woody, and aquatic plants are studied with respect to their identification, landscape value, and use. Special plant groups covered in the course include interior plants, culinary herbs, plants with special growth habits, native plants, and bog and marginal plants for aquatic gardens, in addition to many other plants for Atlantic landscapes. The recognition of deciduous woody plants by their winter wood characteristics is included.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

HORT 1002 Turfgrass Production and Management

CREDIT HOURS: 3

A study of cool-season turfgrasses, their characteristics, and proper usage. The establishment, maintenance, and renovation of turfgrass will be studied. Cultural topics covered will emphasize proper fertilizing, watering, and pest control.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

HORT 1003 Landscape Horticulture I

CREDIT HOURS: 3

An introduction to landscape horticulture. Plant/environment interaction and the fundamental principles governing plant growth are discussed, as well as the functional uses of ornamental plants in the contemporary landscape. Methodology around basic landscape horticulture practice is discussed, and followed up in lab. Laboratory exercises will concentrate on the basic skills associated with the use of plants in the landscape.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3

HORT 1004X/Y Landscape Plants III

CREDIT HOURS: 3

Herbaceous, woody, and aquatic plants are studied with respect to their identification, use, and value in landscape settings. Special plant groups included in the course include woodland plants, sensory plants, container plants, medicinal herbs, xeric plants, submerged and floating aquatic plants, and salt-tolerant plants, in addition to many other plants for Atlantic landscapes. The recognition of woody plants by their winter wood characteristics is included.

NOTES: Fall and Winter semesters
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3

HORT 1005 Landscape Installation.

CREDIT HOURS: 3

This course provides theoretical and practical training in landscape construction and installation. Skills and standards identified by the Canadian Nursery and Landscape Association and tested through the Canadian Certified Horticultural Technician Program are considered minimum in levels of information presented in a modular format. Topics include plan reading, construction drawings, and site grading.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
COREQUISITE: APSC 0101

HORT 2000 Vegetable Production (A)

CREDIT HOURS: 3

Production technology for the major vegetables grown in the Atlantic region is studied in detail, including botanical and horticultural characteristics, soil and fertility requirements, cultivar selection, pest management, and harvest and storage requirements. Commercial vegetable enterprises are visited.

NOTES: Fall semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: Preparatory: AGRI 1000
CROSS-LISTING: HORT 0211

HORT 2001 Principles of Organic Horticulture (A) DE

CREDIT HOURS: 3

Study of the principles that form the basis for organic production systems. Special attention is given to soil fertility, organic soil amendments, compost and mulches, crop rotation, plant health, management of diseases and pests, companion planting, and produce storage/handling and marketing. Seminar topics will include making the transition to organic production, and definition and legislation of organic food in Canada.

NOTES: Fall semester
PREREQUISITE: Preparatory: AGRI 1000

HORT 2003 The British Garden

CREDIT HOURS: 3

The history of British landscape development is studied, supported by visits to gardens that exemplify period design. Period garden features and the design philosophy that fostered the evolution of landscape development will be discussed. The maintenance and management of these landscapes will be examined. North American and British landscape maintenance standards and techniques will be compared. Plant identification will be a component of this course. This course involves self-directed study.

NOTES: Summer semester –The course is offered in England, subject to enrollment. Expenses associated with the course are the responsibility of the student.

HORT 2004 Introduction to Viticulture (A)

CREDIT HOURS: 3

Note: Students taking this course must be 19 years of age or older. This course on viticulture in the Atlantic region will initially examine the taxonomy, morphology, physiology, and biochemistry of grapevine growth and fruit maturation. Emphasis will be placed on the environmental regulation of grapevine growth, development, yield and composition, and management strategies to optimize grape production in cool-climate viticulture production areas. Included will be an examination of the importance of site selection, soil management, grapevine cultivars, rootstocks, clones, production systems, and vineyard establishment. Cultural management practices including pruning, training, canopy management, crop control, and mechanization will be discussed, and an overview of pest pressures and other environmental concerns including winter hardiness will be covered. Lastly, the harvesting and vinification of wine grapes will be examined with the inclusion of “hands-on” laboratory sessions at a commercial vineyard and winery. Successful completion of the course should prepare students for upper-division courses in viticulture and oenology.

NOTES: Fall semester
FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 1002

HORT 2005 Design & Construction of Turf Facilities

CREDIT HOURS: 3

Includes the interpretation and implementation of design and construction plans for various facilities such as golf courses and recreational fields. Topics include understanding the basic concepts involved in golf course construction, individual components of a golf course, design and construction of sport turf facilities, and development and maintenance of high-end facilities, including those using synthetic turfgrass. Emphasis will be placed on the special considerations needed to "grow in" a new turf in each of these situations.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

HORT 2006 Tree Fruit Crops (A)

CREDIT HOURS: 3

Tree fruit production with emphasis on resource conservation is investigated in relation to the region. Origins, history, biosystematics, adaptation, and culture of tree fruits, including organic systems, are studied. Propagation, pruning, training, harvesting, and marketing of these crops are covered in this course.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CROSS-LISTING: HORT 0203

HORT 2007 Small Fruit Crops (A)

CREDIT HOURS: 3

The course consists of the study of strawberry, blueberry, raspberry, cranberry, currant, gooseberry, kiwi, elderberry, Saskatoon berry, and grape production. Aspects of propagation through to harvesting and marketing of each crop is discussed. Some aspects of organic production of small fruits are included. Origins, adaptation, and distribution of each crop are examined. New small fruit crop development for nutraceuticals is covered.

NOTES: Fall semester – Note: Field trips to small fruit farms, small fruit crop nurseries, and research institutes are included during the term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

HORT 2008 Residential Landscape Design and Construction

CREDIT HOURS: 3

This course introduces a systematic process for developing residential landscape designs. Emphasis is placed upon maximizing the usefulness of the property and developing it in an environmentally sound and sustainable manner. Grade changes, on-site storm water management, and the engineering use of plants in design is included. Students work with a residential design client from the development of the design brief to the final presentation. Studio exercises will utilize the computer as a design tool as well as manual graphic techniques.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: HORT 1000, HORT 1003, HORT 2013

HORT 2009 Landscape Plant Nursery Management (A)

CREDIT HOURS: 3

Nursery crops are those plant materials generally used for outdoor landscape plantings, including trees, shrubs, vines and other plants having persistent woody stems, and all herbaceous perennials. This course will examine the selection, propagation, growing, handling and marketing of these materials. The course uses an entrepreneurial approach with emphasis on the importance of new plant introductions, and plant and landscaping trends analysis. The course also examines the nursery industry from the standpoint of where it fits into the bigger picture, i.e., the overall "green" industry.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: AGRI 1000, preparatory: BIOA 2002

HORT 2010 Greenhouse and Floriculture Crop Management (A)

CREDIT HOURS: 3

Greenhouse and floriculture crop production is one of the most exacting specialties in the many areas of agriculture. It is the only type of crop production where almost complete control of plant growth is achieved with the modification of environmental conditions. This is obtained through atmosphere modification (increasing CO₂ levels); temperature control; control of light, nutrition, and water; the application of growth-modifying chemical regulators; and pest control. Greenhouse management can therefore be one of the most interesting and intriguing of the agricultural sciences. This course will examine the greenhouse, its environment, and the production of crops in this environment, plus outdoor cut-flower production.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: AGRI 1000, preparatory: BIOA 2002

HORT 2011 Arboriculture

CREDIT HOURS: 3

Emphasis is placed on arboriculture theory and practice. Tree problems arising from pest and disease injury, as well as environmental and non-parasitic injury of trees, will be addressed. The course will focus on the tree in an urban environment. Laboratory exercises concentrate on specific arboriculture skills and techniques.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: HORT 1003

HORT 2012 Landscape Maintenance

CREDIT HOURS: 3

Provides an overview of site management. Time studies, scheduling of horticultural work and management techniques are included. The course focuses on plant healthcare and organic management strategies. Sustainable site development and management standards are discussed.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: HORT 0102/HORT 1002, HORT 0103/HORT 1003

HORT 2013 Landscape Horticulture II

CREDIT HOURS: 3

This course introduces students to landscape design principles and elements through the exploration of noteworthy designers and their work. The role of environmental psychology theory in design, plant associations, site analysis, and client interaction in the development of the design brief and subsequent design is developed through a series of prescribed design exercises. Hand rendering skills are acquired in this course.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: HORT 1003

PREREQUISITE: HORT 0100/HORT 1000

HORT 3000 Environmental Processes and Natural Landscape Functions

CREDIT HOURS: 3

The structure, functions, and dynamics of landscapes that are altered by human design are discussed. Key ecological processes and their disruption, landscape modification, and landscape planning and management will be examined. Students are expected to participate in field work, and to engage in self-directed study.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

HORT 3001 Landscape Project Management

CREDIT HOURS: 3

This is an advanced course in reading and interpreting landscape plans, materials take-off, grading, estimating, and construction. The building of multidisciplinary teams and team cooperation is an important part of the course. Principles and processes for cost estimating will be studied, using actual landscape projects and considering local building codes and regulations. Students are required to complete their assigned landscape project before the end of the semester.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A previous course in landscape design (HORT 0209/HORT 2013 or equivalent) and landscape installation (HORT 0210/HORT 1005 or equivalent)

HORT 3008 Horticultural Therapy (H)

CREDIT HOURS: 3

An in-depth study of the application of horticultural activities as a treatment modality, e.g., working with youth and older adults, the rehabilitation of handicapped individuals, treatment of emotional problems and substance abuse, and others. Attention is given to understanding problems associated with client groups and specific horticultural activities used in therapeutic programs.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Second-year standing

HORT 4000 Urban Tree Management

CREDIT HOURS: 3

This course focuses on the management of the urban forest. Tree inventory systems, planning the urban forest, rhizosphere management, site reclamation, the valuation of urban trees, and trees and the law will be included. Lab exercises will include tree assessment techniques, tree inventory exercises, use of tree inventory software, new techniques for hazard tree assessment, new techniques for managing pests and diseases in urban trees, and site assessment and remediation. Tree pruning exercises will emphasize preservation of tree structure, quality of cuts, and work efficiency and safety.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: HORT 0207 or a previous course in arboriculture, or permission of the instructor

Technology Level Course Descriptions

International Development Courses

Courses

Below are courses offered in International Development by the Faculty of Agriculture. Please see the International Development Studies Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

IAGR 2002 International Rural Development (H)

CREDIT HOURS: 3

This course explores the history, defining characteristics, and diversity of developing societies, with a focus on the people and issues of rural communities. Students will explore the main issues facing rural communities in developing regions, as well as the many cultural, social, political and economic factors that can impact the success of development projects and initiatives at the community level. Students will be expected to develop an understanding of a variety of perspectives on international community development and also to develop an appreciation for the opportunities and challenges of sustainable development in different societies and cultures.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

IAGR 2004 Agri - Food Systems in India

CREDIT HOURS: 3

Examines the agri-food and environmental issues of tropical and dryland farming in southern India (Tamil Nadu) Students must attend pre-Departure travel at the Agricultural Campus, submit a mini-research paper prior to departure, participate actively in the agri-food tours, and write a second paper after the trip. Travel costs, in addition to tuition, are associated with this study abroad course.

IAGR 3000 Tropical Agriculture (A)

CREDIT HOURS: 3

This course will introduce the student to food production, storage, and handling systems in tropical and subtropical countries. The sustainability of these systems and issues that limit the use of the environment for long-term food production will be identified. Farming systems and the role of national/international research centres are examined. The instruction will include resource people from several disciplines.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

IAGR 4000 Global Seminar on Rural Sustainability (A)

CREDIT HOURS: 3

An international course which brings together students from around the world to investigate and discuss local and global issues. The course will consist of a number of case studies, and the students must choose four in which to participate. Students will work in groups to research the topic using e-mail and discussion forums, and present their findings to the class using electronic classroom technology. Together the students will participate in a truly global seminar course.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

International Food Business Course

Undergraduate Degree Level Course Descriptions

INFB 1000 International Food Policy & Environment (INFB) (A)

CREDIT HOURS: 3

This course is taught along with ECOA1002 Introduction to Economic Reasoning as part of the International Food Business program in Module 1: Acquiring Knowledge of International Food Systems. Students will successfully complete a series of practical tasks/assignments while learning about the global food environment. Topics will include study of emerging country markets, policy formulation, and multilateral agreements.

NOTES: Fall Semester - Module #1 INFB

INFB 1001 International Food Business Project I (INFB)

CREDIT HOURS: 3

This course is part of an underlying theme of the first year of the International Food Business Program. It allows students to integrate the work of the entire first year into a series of assignments and tasks embedded in international consumer behaviour and entrepreneurship. Students will learn about consumer behaviour applied to a

new food product from Iceland and be tasked with preparing a Webpage highlighting the opportunities in both Europe and North America for the product. This is a year-long project concluding in International Food Business Project II.

NOTES: Fall Semester - Module #1 & #2 INFB

INFB 1002 International Food Business Project II (INFB)

CREDIT HOURS: 3

This course is part of an underlying theme of the first year of the International Food Business Program. It allows students to integrate the work of the entire first year into a series of assignments and tasks embedded in international consumer behaviour and entrepreneurship. Students will learn about consumer behaviour applied to a new food product from Iceland and be tasked with preparing a Webpage highlighting the opportunities in both Europe and North America for the product. This is a year-long project originating in International Food Business Project I.

NOTES: Winter Semester - Module #1 & #2 INFB

INFB 1003 Introductory Second Language

CREDIT HOURS: 3

This course will be offered in The Netherlands by CAH Dronten as part of the International Food Business program. It is designed for an initial competency in spoken and written language. Students are ineligible to take a language course in which they are already fluent.

NOTES: Winter semester

Internship Courses

Technology Level Course Descriptions

INTA 0100 Internship

CREDIT HOURS: 2

The student will be required to work under contract with an approved employer in their chosen field for a period of at least 12 weeks (480 hours). Contract details will be relevant to the student's area of study and will be negotiated between the student, the employer, and the course coordinator. Assessment will be based on this contract and will be carried out jointly by the employer and the course coordinator.

NOTES: Spring semester – 12 weeks.

PREREQUISITE: Successful completion of the first year in the Diploma in Business Management, plus Workplace Readiness courses

Management Courses

Courses

Below are courses offered in Management by the Faculty of Agriculture. Please see the Faculty of Management Section for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

MGTA 1001 Introduction to International Business (INFB)

CREDIT HOURS: 3

This course is taught along with ECOA1002 Introduction to Economic Reasoning as part of the International Food Business program in Module 2: Analyzing Business Processes. Students will successfully complete a series of practical tasks/assignments while learning about essential aspects of international management. Topics will include the business task environment, organizational behaviour and operational management.

NOTES: Fall Semester - Module #2 INFB

MGTA 1002 Food Supply Chain Management (INFB)

CREDIT HOURS: 3

This course is part of Module 3 of the International Food Business program – Analyzing Food Chains. It provides students with an introduction to food supply chain management issues and developments. Topics include value chain development, consumer orientation, changing actors and factors, and logistics and distribution.

NOTES: Winter Semester - Module #3 INFB

MGTA 1003 International Business communications (INFB)

CREDIT HOURS: 3

This course is part of Module 4 of the International Food Business program - Developing External Communications Strategies. It provides students with an introduction to global business communications issues and applications. Topics include information and communication, intercultural aspects of communication, and emerging international media and techniques.

NOTES: Winter Semester - Module #4 INFB

MGTA 1004 Introduction to Business

CREDIT HOURS: 3

This course provides students with an overview of small business management theory and practice presented from an entrepreneurial perspective. Topic areas discussed include identifying and evaluating new business opportunities; financing the business, marketing management, human resources, and financial management. Upon

successful completion of the course, students will understand the elements of business planning required for successful small businesses today.

NOTES: Fall and Winter semesters

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MGTA 0104

MGTA 2000 Human Resource Management (A)

CREDIT HOURS: 3

An introduction to the human side of business organizations. The course focuses on the challenges of motivation, recruitment and selection, performance evaluation, compensation, and labour management relations.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MGTA 0205

MGTA 2001 Introduction to Business Law

CREDIT HOURS: 3

An introduction to general principles of law relating to the management of a business. Major areas studied are torts and contracts. Specialized topics include forms of business organizations, sale of goods, conditional sales, real property, mortgages, insurance, and wills.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MGTA 0103

MGTA 2002 Marketing (A)

CREDIT HOURS: 3

This course will familiarize students with fundamental marketing principles and provide students with hands-on decision making and analytical skills that are essential for marketing practice. Working in teams, students will conceptually develop innovative products that clearly address the needs of target markets. Around the product, students will gather relevant information and create marketing plans that includes product, pricing, promotion, and distribution strategies.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MGTA 0206

MGTA 2004 Financial Accounting

CREDIT HOURS: 3

A study of the basic principles and procedures relevant to the accounting function of a business firm. Topics discussed include recording transactions, making adjusting entries, and preparing financial statements; accounting for a merchandising concern; computerized accounting software; accounting for cash, credit sales, and accounts receivable; inventories and cost of goods sold; and plant and equipment.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

MGTA 2006 Advertising and Promotion

CREDIT HOURS: 3

Students examine the process of planning, implementing, and evaluating advertising and promotional strategies for small businesses. Topics include an evaluation of conventional advertising media and web-based advertising, the preparation of customer profiles and target marketing, the creation of advertising copy, and the evaluation and monitoring of the advertising program. Case studies and class projects are essential elements of the course.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MGTA 2002

CROSS-LISTING: MGTA 0207

MGTA 2009 Customer Relations Management

CREDIT HOURS: 3

The objective of this course is to provide students with a practical approach to the provision of exceptional customer service for a small business. Students are expected to identify the various factors that affect the provision of quality service and to identify ways to ensure client satisfaction. The course also provides training in point-of-sale techniques and complaint management.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MGTA 0203

MGTA 2010 Innovation Management (INFB)

CREDIT HOURS: 3

This course is part of Module 5A of the International Food Business program which is taught in The Netherlands. It provides students with an introduction to innovation management from an international perspective. Topics include innovation management, managing technology and knowledge, and managing research and development projects. This course is taught in The Netherlands.

NOTES: Fall Semester - Module #5A INFB

MGTA 2011 International Marketing Research (INFB)

CREDIT HOURS: 3

This course is part of Module 7A of the International Food Business program - Performing Market Research. It provides students with an introduction to marketing research in an international setting. Topics include the research process, primary and secondary data collection, and analyzing data. This course is taught in The Netherlands.

NOTES: Winter Semester - Module #7A INFB

MGTA 2012 Fundamentals of Management (INFB)

CREDIT HOURS: 3

This course is covered in Module 8A of the International Food Business program in the third year of study - Performing as a Leader and Manager. It provides students with the basic management functions and their performance as a business leader. Topics include planning, organizing, leading and controlling. This course is taught in The Netherlands.

NOTES: Fall Semester - Module 8A INFB

MGTA 2013 Business Planning (INFB)

CREDIT HOURS: 3

This course is part of Module 10A of the International Food Business program - Developing Business Plans. It provides students with an introduction to business planning from an international perspective. Topics include starting a new business, alternative start-up methods, managing growth, and business succession.

NOTES: Fall Semester - Module 10 INFB

MGTA 2014 Starting Lean - Agriculture

CREDIT HOURS: 3

This course has been designed and tailored for second year students (and higher) that are considering an agriculture-related entrepreneurial venture, and is based on the lean startup methodology using a business model canvas. This course provides real world, hands-on learning on what it's like to actually start a company. This class *is not about how to write a business plan*. It's not an exercise in how well you use the research library to size markets or how smart you are in a classroom. The end result is not a PowerPoint slide deck for a VC presentation. This is a practical class—essentially a lab, not a theory or “book” class. You will be getting your hands dirty talking to customers, partners, and competitors as you encounter the chaos and uncertainty of how a startup actually works. You'll learn how to use a *business model* to brainstorm each part of a company and *customer development* to get out of the classroom to see whether anyone other than you would want/use your product. Each day will be a new adventure outside the classroom as you test each part of your business model and then share the hard earned knowledge with the rest of the class.

NOTES: Winter semester. Students completing this course may not take MGMT 3902 (Starting Lean) in addition to this class for credit.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Second year standing.

EXCLUSIONS: MGMT 3902.03

MGTA 3000 Management Accounting

CREDIT HOURS: 3

This course introduces students to the use of accounting information in making effective management decisions. Topics include cost control and analysis, cost/volume/profit analysis, break-even analysis, differential analysis, and capital investment analysis.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MGTA 2004

MGTA 3001 International Marketing

CREDIT HOURS: 3

This course provides an introduction to international marketing and the international trading system. Students will be exposed to the unique aspects of international market research, selection, entry, pricing, and communications that differentiate them from their domestic equivalents. In addition, the international trading system will be examined with an emphasis on institutions such as the WTO and the IMF and on international commodity agreements, which directly impact the movement of goods and services. Cases are used extensively in the course and class participation is vital.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MGTA 2002

MGTA 3002 Consumer Behaviour (A)

CREDIT HOURS: 3

The course introduces the student to the basics of consumer behaviour and then applies this knowledge to the food marketing system. Topics covered include external influences on consumer behaviour, motivation, perception, learning, and decision-making. Historical and recent trends in product marketing, pricing, and advertising also form part of the course. Cases are used extensively and class participation is vital.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MGTA 2002

MGTA 3003 European Placement I (INFB)

CREDIT HOURS: 3

Students will broaden their experience of European business management by participating in a planned learning experience in an approved business or entrepreneurial venture. Based on their area of interest students will find placements in suitable businesses or other organizations and submit a work plan to the course coordinator and the host organization. Students will be required to keep a journal of the placement experience and to submit a report upon completion of the placement. The host organizations will evaluate students on their development of critical skills and abilities. Placements may be volunteer or paid positions, and cover three months at the end of the second year in The Netherlands.

NOTES: Spring/Summer semester

MGTA 3004 European Placement II (INFB)

CREDIT HOURS: 3

Students will broaden their experience of European business management by participating in a planned learning experience in an approved business or entrepreneurial venture. Based on their area of interest students will find placements in suitable businesses or other organizations and submit a work plan to the course coordinator and the host organization. Students will be required to keep a journal of the placement experience and to submit a report upon completion of the placement. The host organizations will evaluate students on their development of critical skills and abilities. Placements may be volunteer or paid positions, and cover three months at the end of the second year in The Netherlands.

NOTES: Spring/Summer semester

MGTA 3005 New Product Development (INFB)

CREDIT HOURS: 3

This course is part of Module 5B of the International Food Business program which is taught in The Netherlands. It provides students with an introduction to new product development from an international perspective. Topics include new product development process, packaging, and managing the development team.

NOTES: Fall Semester - Module #5B INFB

MGTA 3006 Retail Management (INFB)

CREDIT HOURS: 3

This course is part of Module 6B of the International Food Business program - marketing management which is taught in The Netherlands. It provides students with an introduction to retail management from an international perspective. Topics include: overview of strategic management, location and layout, merchandise management, and retail strategy.

NOTES: Fall Semester - Module #6B INFB

MGTA 3007 Quality Management (INFB)

CREDIT HOURS: 3

This course is part of Module 8B of the International Food Business program - performing as a leader and manager which is taught in Canada. It provides students with an intermediate level of study in management from an international perspective. Topics include: organizational effectiveness, quality systems, and organizational leadership.

NOTES: Winter Semester - Module #8B INFB

MGTA 3008 Intermediate Marketing Research (INFB)

CREDIT HOURS: 3

This course is part of Module 7B of the International Food Business program - performing marketing research which is taught in Canada. It provides students with an intermediate level research from an international perspective. Topics include: qualitative research methods, quantitative methods, presenting research results, and ethical issues in research.

NOTES: Winter Semester - Module #7B INFB

MGTA 3009 Financial Management

CREDIT HOURS: 3

Principles and methods of organizing and analyzing financial businesses are examined. Practical problems associated with financial analysis, planning, capital budgeting, resource use, and credit acquisition are included. The role of the financial manager is identified throughout.

NOTES: Fall Semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MGTA 2004

CROSS-LISTING: MGTA 0204

MGTA 3010 Agribusiness Value Chain Management

CREDIT HOURS: 3

This course provides students with an understanding of the agri-food value chain which is a system of linked agricultural production, processing and marketing activities undertaken by business committed to efficiently delivering food products that respond to consumer needs while equitably distributing the benefits of doing so in relation to where consumer value is created in the chain. This course will provide students with an understanding of the theory and practice of value chain formation, management and performance in context of globally competitive agribusiness firms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MGTA 1004 and MGTA 2002

MGTA 4000 Strategic Management

CREDIT HOURS: 3

This is a capstone course that will integrate all the business disciplines (marketing, finance, accounting, etc.) and prepare the student to formulate and implement strategy in an agribusiness setting. Students will be expected to gain a full understanding of the complexity and interrelationships of modern managerial decision-making and apply this knowledge to real managerial problems. Lectures, case studies, projects, and guest speakers will be utilized.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Students will normally be Agricultural Business majors who have successfully completed the first three years of the program.

MGTA 4001 Advanced Entrepreneurship (A)

CREDIT HOURS: 3

This course will apply the concepts of entrepreneurship to creating and managing a small business. Students will investigate opportunities for new agribusinesses and develop business plans that consider management structure, financing, production, marketing, and taxation. Lectures, case studies, guest speakers, and project assignments will be utilized.

NOTES: Winter semester
FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: MGTA 2002, MGTA 2003, and at least third-year degree standing

MGTA 4002 North American Placement I (INFB)

CREDIT HOURS: 3

Students will broaden their experience of North American business management by participating in a planned learning experience in an approved business or entrepreneurial venture. Based on their area of interest students will find placements in suitable businesses or other organizations and submit a work plan to the course coordinator and the host organization. Students will be required to keep a journal of the placement experience and to submit a report upon completion of the placement. The host organizations will evaluate students on their development of critical skills and abilities. Placements may be volunteer or paid positions, and cover three months at the end of the third year in Canada.

NOTES: Spring/Summer semester

MGTA 4003 North American Placement II (INFB)

CREDIT HOURS: 3

Students will broaden their experience of North American business management by participating in a planned learning experience in an approved business or entrepreneurial venture. Based on their area of interest students will find placements in suitable businesses or other organizations and submit a work plan to the course coordinator and the host organization. Students will be required to keep a journal of the placement experience and to submit a report upon completion of the placement. The host organizations will evaluate students on their development of critical skills and abilities. Placements may be volunteer or paid positions, and cover three months at the end of the third year in Canada.

NOTES: Spring/Summer semester

Technology Level Course Descriptions

MGTA 0020 Business Leadership, Ethics, and Professionalism

CREDIT HOURS: 0

Students explore the ethical and professional context in which individual enterprises operate, and develop effective strategies for professional participation and leadership in their industry. They also develop the team skills necessary for participation in seminars, conferences, and other special events. This module course requires the development and presentation of a proposal for a business plan, which will be completed in MGTA 0201.

NOTES: Fall semester – This is a Workplace Readiness course required for all options in the Diploma in Business Management

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

MGTA 0100 Accounting

CREDIT HOURS: 2

An introduction to accounting topics useful to managers. Topics include recording transactions, forms of business organization, cash and accrual bases of accounting, financial statements, internal control, payrolls, bank reconciliation, and types of accounting systems, with an introduction to microcomputer applications.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

MGTA 0101 Applied Accounting and Taxation

CREDIT HOURS: 2

The basic principles and procedures relevant to the accounting function of a business. Topics discussed include recording business transactions, year-end adjustments, and preparation of financial statements. Considerable time will be spent on Canadian income tax and a computerized accounting project.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MGTA 0100

MGTA 0201 Business Project

CREDIT HOURS: 2

An opportunity to examine, in detail, enterprise management topics. Projects are organized and carried out by the students under the supervision of various staff members. Projects started in MGTA 0020 will be completed in this course.

NOTES: Winter semester

FORMAT: Lab

LAB HOURS PER WEEK: 5

PREREQUISITE: MGTA 0020, MGTA 0204, and MGTA 0206

MGTA 0204 Financial Management

CREDIT HOURS: 2

Principles and methods of organizing and analyzing financial businesses are examined. Practical problems associated with financial analysis, planning, capital budgeting, resource use, and credit acquisition are included. The role of the financial manager is identified throughout.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MGTA 0100

Mathematics Courses

Courses

Below are courses offered in Mathematics by the Faculty of Agriculture. Please see the Mathematics Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

MTHA 0050 Functions

CREDIT HOURS: 0

This is a one-semester non-credit course designed for those who do not have the requisite skills for the first-year mathematics courses but have shown sufficient basic mathematical ability to warrant a one semester course to make up for the deficiencies. This course will emphasize the study of the basic functions used in the sciences. Topics to be covered include linear, exponential, logarithmic, and trigonometric functions. Emphasis is placed on use of a graphing calculator. MTHA 0050 is not intended to duplicate or replace Grade 12 Pre-Calculus Mathematics.

NOTES: Fall semesters

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: If required as a result of performance on a mathematics diagnostic test, or approval of the Registrar

MTHA 0100 Business Math

CREDIT HOURS: 2

This course introduces the basic mathematical skills needed to understand, analyze, and solve mathematical problems encountered in business, finance, and investment decision-making. Students are expected to be able to understand and perform arithmetic and algebraic operations.

NOTES: Fall semester

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

MTHA 1000 Introductory Calculus I

CREDIT HOURS: 3

Topics will include functions and their inverses, limits, differentiation of polynomial, trigonometric, exponential and logarithmic functions, product and quotient rules, and implicit differentiation, with applications to curve sketching, maxima and minima problems, and velocity and acceleration problems. This course also includes an introduction to anti-derivatives and applications of the definite integral to a variety of problems.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: Grade 12 PreCalculus Mathematics or MTHA 0050

MTHA 1001 Introductory Calculus II

CREDIT HOURS: 3

A continuation of the study of calculus with topics including both the definite and indefinite integral: techniques of integration, with applications to areas, volumes, arc length, surface areas, elementary differential equations and their applications. The course may also include parametric equations and polar coordinates, and sequences and series and their applications.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MTHA 1000

MTHA 1002 Business Math (INFB)

CREDIT HOURS: 3

This course will provide the mathematical skills needed to understand, analyse and solve the mathematical problems encountered in business, finance and investment decision making. Course topics will include arithmetic and algebraic operations, mathematics of marketing, mathematics of finance, probability and statistical applications. This course is taught in The Netherlands.

NOTES: Fall Semester

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

MTHA 2000 Multivariable Calculus

CREDIT HOURS: 3

This course covers functions of several variables: vectors, dot product, cross product, differentiation and integration of vector-valued functions, space curves, partial derivatives, optimization, multiple integrals and their applications, vector fields, line integrals, flux integrals, divergence and curl, Stokes Theorem, and the Divergence Theorem.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 4

LAB HOURS PER WEEK: 2
PREREQUISITE: MTHA 1001

MTHA 2001 Differential Equations

CREDIT HOURS: 3

This course introduces the basic theory of differential equations, considers various techniques for their solution, and looks at various applications. Topics include First Order Linear and Non-Linear differential equations; differential equations of higher order; Laplace Transforms; Series solutions; systems of equations; and Fourier Series. Topics from Linear Algebra are included as required to solve systems of differential equations, Linear Algebraic equations, matrices and vectors, eigenvalues and eigenvectors, and solutions to both homogeneous and nonhomogeneous systems.

NOTES: Winter semester

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 4

PREREQUISITE: MTHA 1001

MTHA 3000 Applied Linear Algebra

CREDIT HOURS: 3

This course covers geometric vectors in three dimensions, dot product, lines and planes, complex numbers, systems of linear equations, matrix algebra, matrix inverse, determinants, Cramer's rule, introduction to vector spaces, linear independence and bases, rank, linear transformations, orthogonality and applications, Gram-Schmidt algorithm, eigenvalues and eigenvectors.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

MTHA 4000 Agricultural Modelling

CREDIT HOURS: 3

The aim of the course is to teach agricultural students when and how to attempt to express their ideas mathematically, and how to solve the resulting mathematical model and compare its predictions to experimental data. Topics include techniques of creating a model, techniques of solving models, testing and evaluating models, growth models, and a directed study project of an example of a model used in the agricultural sciences.

NOTES: Winter semester

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MTHA 1001 and at least third-year standing

CROSS-LISTING: AGRI 5770.03

Microbiology Courses

Courses

Below are courses offered in Microbiology by the Faculty of Agriculture. Please see the Microbiology and Immunology Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

MCRA 2000 Microbiology

CREDIT HOURS: 3

A general introduction to microbiology. Topics include history, morphology, structure, cultivation, reproduction, metabolism, genetics, classification, and control of microorganisms. The importance of microorganisms to soil productivity, foods, industry, veterinary science, public health, and sanitation is discussed. Students are required to have laboratory coats.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Preparatories: BIOA 1002, BIOA 1003

MCRA 3000 Food Microbiology (A)

CREDIT HOURS: 3

A study of microorganisms involved in the production and processing of food products. Topics will include the use of microorganisms for food production and processing, food spoilage and potential for food poisoning, and sanitation procedures, including government regulations and standards for the food industry. The use of conventional plating as well as rapid assay techniques will be discussed.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MCRA 2000

MCRA 4000 Soil Microbiology (A)

CREDIT HOURS: 3

A study of the biology of the various classes of microorganisms in soil, including bacteria, blue-green algae, fungi, algae, protozoa, and viruses. This course includes details of biochemical transformation of carbon, nitrogen, sulfur, and phosphorus, as well as pesticides and wastes in the environment.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MCRA 2000, SOIL 2000

CROSS-LISTING: AGRI 5250

Nutrition Courses

Undergraduate Degree Level Course Descriptions

NUTR 3000 Animal Nutrition (A)

CREDIT HOURS: 3

A study of the principles of nutrition, including the digestion, absorption, and metabolism of nutrients by domestic animals. Functions of protein, lipids, carbohydrates, vitamins, and minerals are studied.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CHMA 2000

NUTR 3001 Applied Animal Nutrition (A)

CREDIT HOURS: 3

Classification and characteristics of feedstuff and regulations governing their use are described. Methodology for evaluating the relative merits of typical feedstuffs is discussed. The principles of nutrition are applied in the formulation of rations for monogastric, avian, and ruminant species.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: NUTR 3000

NUTR 3002 Fish Nutrition (A)

CREDIT HOURS: 3

Nutrients required by finfish, shellfish, crustaceans, and molluscs are discussed in context with current and future sources of these nutrients. Digestive physiology and specific feeding problems of aquatic species are addressed. Diet formulations and feeding strategies for maintenance, growth, and reproductive performance of fish are covered.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

NUTR 4000 Ruminant Digestive Physiology and Metabolism

CREDIT HOURS: 3

This course is designed to provide an intensive study of food intake and digestion, and nutrient absorption and metabolism, in the ruminant animal. The course details current knowledge and focuses on aspects of future research interest. Students are expected to contribute to discussions and present reviews to the class on various aspects of the subject.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOA 2006, CHMA 3006, NUTR 3000

CROSS-LISTING: AGRI 5620

Philosophy Courses

Courses

Below are courses offered in Philosophy by the Faculty of Agriculture. Please see the Philosophy Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

PHLA 3000 Environmental and Agricultural Ethics (H)

CREDIT HOURS: 3

This course offers a general introduction to environmental ethics with emphasis on agricultural issues. Students will be introduced to modern ethical theory and to techniques of philosophical reasoning, and will be provided with a general context for overall discussion by examining the origins of the modern world view (the rise of modern science, market economics, and liberalism). Students will be evaluated on class participation and a series of short weekly essays based upon directed readings and field experience. Essay-style midterm and final exams are required.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: At least third-year standing

Physics Courses

Courses

Below are courses offered in Physics by the Faculty of Agriculture. Please see the Physics Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

PHYS 0050 Introductory Physics

CREDIT HOURS: 0

An introductory non-credit course for entering students who do not have the equivalent of NS Grade 12 Physics. Course topics include one-dimensional kinematics, vector theory, Newton's Laws, equilibrium, kinetic energy and work, and other topics as determined by a review of the class. PHYS 0050 is not intended to duplicate or replace Grade 12 Physics.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Approval of the Registrar

PHYS 1000 Physics for the Life Sciences I

CREDIT HOURS: 3

In this course an understanding of physics is acquired by exploring the physical principles that underlie complex biological structures. The nature of materials and the forces that act on them is introduced through a series of topic examples taken from evolution, mammalian physiology, plant structure, and others.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Grade 12 Physics or PHYS 0050, Prerequisite/Corequisite: MTHA 1000

EXCLUSIONS: Students may take either PHYS1000 or PHYS1002, but not both, for credit.

PHYS 1001 Physics for the Life Sciences II

CREDIT HOURS: 3

In this course the physical principles underlying perception throughout the animal kingdom are introduced. The examples chosen emphasize adaptation and strategies (e.g., echolocation and noctuid moths) and represent a wide range of forms (e.g., eyes of the common scallop pecten, electric location by the fish *Gymnarchus niloticus*).

NOTES: Winter semester. Offered in alternate years. Next offered 2014-2015

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYS 1000 or PHYS 1002

PHYS 1002 Physics I

CREDIT HOURS: 3

Fundamental physical principles that are necessary for the understanding of the agricultural sciences form the core material of this course. Classical physics topics include vector analysis, dynamics, statics, fluid mechanics, acoustics, and heat. Concepts derived from modern physics are added in order to complete the classical theories. Weekly student laboratory sessions allow for direct investigation of the theories studied in the course.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: Grade 12 Physics or PHYS 0050, Prerequisite/Corequisite: MTHA 1000

EXCLUSIONS: Students may take either PHYS 1000 or PHYS 1002, but not both, for credit.

PHYS 1003 Physics II

CREDIT HOURS: 3

A continuation of PHYS 1002. The course mainly deals with electromagnetic theory, including such topics as electric charges, fields, potential, magnetic theory, induction, and Maxwell's Equations. Fundamental wave theory and optics are also studied, together with an introduction to nuclear physics. The laboratory provides an opportunity to investigate the theories in a hands-on environment.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PHYS 1002

Plant Science Courses

Undergraduate Degree Level Course Descriptions

PLSC 1000 Farm Woodlot Management (A)

CREDIT HOURS: 3

This course will focus on the importance of privately owned woodlands to the landowner, the forest industry, and the agricultural sector. It will examine forest ecology, tree identification, forest measurement, aerial photo interpretation, and forest management practices including silviculture. The course will review Christmas tree and maple syrup production. The role of appropriate equipment and machinery in the woods will also be discussed. A field lab will be held weekly. Steeltoed boots and hard hats are required.

NOTES: Fall semester – This course has limited enrollment.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PLSC 2000 Specialty Crops (A)

CREDIT HOURS: 3

This course will examine opportunities for specialty crop production, using an entrepreneurial approach. A core group of specialty crops will be examined. Production requirements, production and marketing potential, end use, and value adding will be studied. Students will have optional crop choices to reflect individual interest. A major project is required.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PLSC 3000 Theory and Practice of Plant Propagation (A)

CREDIT HOURS: 3

This course is intended to give students an advanced knowledge in the area of biology, physiology and practical aspects of plant propagation. It is strongly recommended for students wishing to undertake graduate work in plant sciences, biotechnology, environmental sciences, and ecology. It is also recommended for managers of greenhouses and nurseries. Topics will include biology of plant propagation, propagation environment, breeding systems, seed and vegetative propagation, cell and tissue micropropagation, and propagation of selected plant species for commercial production.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 2002

PLSC 4000 Plant Breeding (A)

CREDIT HOURS: 3

An introduction to the principles and practices of plant breeding, including the genetics of agriculturally important traits, germplasm conservation, breeding biotechnology, and the structure of the Canadian seed industry.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: GENE 2000, STAA 2000, one crop production subject

PLSC 4002 Plant Ecophysiology (A)

CREDIT HOURS: 3

This course is designed to stimulate interest, critical thinking, and investigative processes for the understanding of growth, development, distribution, acclimation, and adaptation of crop plants that are influenced by their physiological ecology; the interaction with the climatological, physical, chemical, and biological environments; and the ecophysiological responses that are modulated by input and crop management factors. This course will also enhance knowledge of crop stress diagnostics, physiological mechanisms of acclimation, and adaptation to various challenging abiotic and biotic stress factors. Agricultural practices and agroecosystem management will be related to the economic and environmental responsibilities. This course will use several "Participatory Learning" techniques.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOA 2002, one crop production course

PLSC 4003 Problem Solving in Plant Science (A)

CREDIT HOURS: 3

The objective of this course is to review and integrate material from prerequisite courses in crop production, environment, business, soils, climate, and basic sciences into a comprehensive understanding of crop management systems. Students will work with each other and the instructor to develop group and individual study plans and learning contracts to address individual needs to fill gaps in knowledge and skills in Plant Science. Activities and assignments will be tailored to the needs of the group and the individuals.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Fourth-year standing in Plant Science major or minor

PLSC 4004 Root Physiology Underground Secrets (A)

CREDIT HOURS: 3

The objective of this course is to give students a fundamental understanding of the mysteries of the hidden half of plants – roots. The architectural, physiological, metabolic and ecological significance of roots is often less understood, frequently forgotten or ignored. Students will study the intricacies of root architecture, growth, development, physiology and the role of roots in plant defence. Attention is given to the soil ecosystem and how roots respond to their environment. Students will also learn about root-derived secondary metabolites and their roles in plant and human health, and appreciate the emerging opportunities in “milking roots”.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOA 2002

Technology Level Course Descriptions

PLSC 0100 Utilization of Plant Resources

CREDIT HOURS: 2

Using an integrated systems approach, students are introduced to the principles and practices involved in the sustainable production of crop plants. Practical exercises will give the students an opportunity to gain knowledge and skills involved in economic and environmental growing of agronomic and horticultural crops.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PLSC 0200 Plant Propagation

CREDIT HOURS: 2

This course studies physiological and anatomical bases of plant propagation, and techniques of sexual and asexual propagation of agricultural and horticultural crops as well as landscape plant material and herbaceous perennials. Propagation structures, containers, media and sanitation, pedigreed seed production, and in-vitro techniques for micropropagation are also components of this course.

NOTES: Fall semester and complete the project in the Winter semester.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PLSC 0201 Technology Project

CREDIT HOURS: 2

This project provides an opportunity for the student to study in detail a Plant Science topic of special interest. The topic may build on other aspects of the study program. The student pursues studies under a project supervisor. The project plan developed with the advisor must include the purpose of the study, the procedures and materials used, a time schedule for the work involved, the method in which the information will be collected, the way in which comparisons and conclusions will be developed, and the format for the final report. Both a written and an oral report will be required.

NOTES: Fall and Winter semesters – Students register in the fall semester and complete the project in the winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PLSC 0202 Plant Science Techniques

CREDIT HOURS: 2

This is a Spring semester course intended for students in the Plant Science Technology program following their first year of study. Students will be required to work under contract in an area of Plant Science with an approved employer for a period of at least 12 weeks (480 hours). Contract content will be relevant to the student's area of study and will be negotiated between the employer, the course coordinator, and the student. Assessment will be based on this contract and will be carried out jointly by the employer and the course coordinator.

NOTES: Spring semester

PREREQUISITE: Completion of the first year of the Plant Science Technology program

Political Science Courses

Courses

Below are courses offered in Political Science by the Faculty of Agriculture. Please see the Political Science Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

POLS 1000 Introduction to Political Science (H)

CREDIT HOURS: 3

An introductory study of the ideologies of modern movements. Liberal democracy, conservatism, democratic socialism, fascism, and Marxist perspectives will be covered. Analysis of such central concepts as liberty, equality, power, authority, justice, law, constitutionalism, democracy, and authoritarianism will be presented and discussed. This course provides an overview of the various institutions and policies involved in governing. There will be a focus on rural social movements.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

POLS 1001 Structure and Function of Government (H)

CREDIT HOURS: 3

Students will study the legislative, executive, and judicial aspects of the Canadian state, and their interactions. They will look at political processes and policy development. This course will provide students with the basic knowledge of how governments operate at all levels. It will offer insight into how and why political decisions are made about the issues that affect all Canadians: taxation, education, employment, health care, and the debt. There will be a focus on issues of interest to rural Canada.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

Psychology Courses

Courses

Below are courses offered in Psychology by the Faculty of Agriculture. Please see the Psychology Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

PSYC 1000 Introductory Psychology I (H)

CREDIT HOURS: 3

This course will introduce students to the mental processes that underlie human behaviour. Topics covered include brain function, the nervous system, sensation, perception, states of consciousness, learning, memory and cognition. The course will be taught primarily through lecture and in-class demonstrations and activities.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PSYC 1001 Introductory Psychology II (H)

CREDIT HOURS: 3

This course will introduce students to important elements that describe, explain, predict, and influence human behaviour. Topics covered include human development, emotion, social influences, personality, health, psychological disorders, and therapy. The course will be taught primarily through lecture and in-class demonstrations and activities.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

Research Methods/Project Seminars Courses

Undergraduate Degree Level Course Descriptions²

RESM 4000 Integrated Environmental Management Project Seminar I

CREDIT HOURS: 3

Students will study an operation (information gathering) and review management of technological, human, financial, and environmental resources. A group report and individual oral and poster presentations are required.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: Integrated Environmental Management student in third year, or consent of the coordinator

RESM 4001 Integrated Environmental Management Project Seminar II

CREDIT HOURS: 3

This is a continuation of RESM 4000, with a study and examination of identified problems within the operation. Working with industry representatives, the course will identify alternatives to solve current problems. Written and oral reports are presented to class and industry.

NOTES: Fall semester

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: RESM 4000; Integrated Environmental Management student in final year or consent of the coordinator

RESM 4002 Animal Science Project-Seminar I (A)

CREDIT HOURS: 3

In consultation with a faculty advisor, Animal Science majors select a research topic. This topic is investigated and presented orally and in a written report. Other topics of current interest are also presented and discussed in the weekly seminar period.

NOTES: Fall semester

FORMAT: Seminar

PREREQUISITE: Animal Science major in third or fourth year of the program, or consent of the coordinator

RESM 4003 Animal Science Project-Seminar II (A)

CREDIT HOURS: 3

The continuation and conclusion of the project selected in RESM 4002.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: RESM 4002

RESM 4004 Research Methods for Economics and Business (A)

CREDIT HOURS: 3

The lectures cover general methodological issues within business and social sciences research, as well as considering specific research techniques. Students undertaking fourth-year projects within the Department of Business and Social Sciences begin their projects, under faculty supervision, through this course's project development process. Other students may instead write one or more papers on research methodology.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: At least third-year standing, including ECOA 1000

RESM 4005 Project-Seminar for Economics and Business (A)

CREDIT HOURS: 3

Under the supervision of faculty, students complete the research projects begun in RESM 4004. Each student is required to submit the first draft for evaluation by faculty. The student presents a final report and participates in peer evaluation of the presentations of the other students.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: RESM 4004

RESM 4006 Environmental Sciences Project-Seminar I (A)

CREDIT HOURS: 3

A required course for all B.Sc.(Agr.) students registered in the Department of Environmental Sciences. Each student will choose a research project and faculty advisor in consultation with the course coordinator. Each student will present periodic oral and written reports on their subject of investigation. Other written and seminar topics may be assigned. Topics on communication skills and the presentation of scientific information in various formats will be discussed in the weekly seminar periods.

NOTES: Fall semester

FORMAT: Seminar

PREREQUISITE: Students registered for their final year in the Department of Environmental Sciences, or consent of the coordinator

RESM 4007 Environmental Sciences Project-Seminar II (A)

CREDIT HOURS: 3

A continuation of RESM 4006. Students will continue with their research projects. The course will culminate in the presentation of project results, in several formats. Other written and seminar topics may be assigned.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: RESM 4006

RESM 4008 Plant Science Project-Seminar I (A)

CREDIT HOURS: 3

Involves the selection of an appropriate project and the preparation of a research plan to investigate the chosen subject. Fundamentals of experimental design and data analysis are covered in lectures. Under the supervision of a faculty advisor, each student will select a topic, conduct a detailed literature review, and prepare an experimental plan for implementation in RESM 4009. The research project and faculty advisor are to be chosen in consultation with the course coordinator during Semester VI, and work initiated soon thereafter. This is a required course for all students in Year 3 of the Plant Science option.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

RESM 4009 Plant Science Project-Seminar II (A)

CREDIT HOURS: 3

The continuation and conclusion of the subject selected in RESM 4008. This consists of both a written and an oral presentation of the project.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: RESM 4008

RESM 4010 Aquaculture Project-Seminar I (A)

CREDIT HOURS: 3

In consultation with a faculty advisor, each student will select a research topic. This topic is investigated and presented both orally and in a written report. Other topics of current interest are also presented and discussed in the weekly seminar period.

NOTES: Fall semester

FORMAT: Seminar

PREREQUISITE: Aquaculture major in third or fourth year of the program, or consent of the coordinator

RESM 4011 Aquaculture Project-Seminar II (A)

CREDIT HOURS: 3

The continuation and conclusion of the project selected in RESM4010.

NOTES: Winter semester

FORMAT: Seminar

PREREQUISITE: RESM 4010

Rural Studies Courses

Undergraduate Degree Level Course Descriptions

RURS 3000 Rural Community Economic Development (H)

CREDIT HOURS: 3

This course examines the evolution of key paradigms, theories and principles in the field of rural community development studies, and explores the economic and social contexts in which rural community development has emerged. It also examines the community development process and the organizations, processes and strategies associated with rural community organization and development. A key aspect of the course will be an exploration of the defining characteristics of rural communities (e.g. co-operatives), as well as their diversity in current and historical social and economic contexts.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: At least third-year standing

Sociology Courses

Courses

Below are courses offered in Sociology by the Faculty of Agriculture. Please see the Sociology and Social Anthropology Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

SOCI 1000 Introductory Sociology (H)

CREDIT HOURS: 3

An introduction to the field of modern sociology. Themes addressed in the course are sociological theory and method, social process, social organization, social institutions, social differentiation, and social change. Discussion will include social issues, e.g., rural/urban conflict, an aging society, and family changes. Some emphasis will be given to rural social problems.

NOTES: Fall semester

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3

SOCI 1001 Introductory Sociology II (H)

CREDIT HOURS: 3

The study of social issues uses sociological theory and research to examine social dynamics and social consequences associated with various current concerns. The topics covered will vary from year to year, but may well include problems such as gender and race relations, child and spousal abuse, substance abuse, poverty, work and alienation, and environmental issues. There will be a focus on issues of interest to rural Canada.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

Soils Courses

Undergraduate Degree Level Course Descriptions

SOIL 2000 Introduction to Soil Science (A)

CREDIT HOURS: 3

General principles of soil science relating to the origin, development, and classification of soils; and the biological, physical, and chemical properties of soils and their relation to proper soil and crop management, land use, and soil conservation.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Corequisite: CHMA 1001

SOIL 3000 Soil Fertility and Nutrient Management (A)

CREDIT HOURS: 3

The study of the soil chemical environment as it affects crop production. The course investigates the biogeochemical cycling of nitrogen, phosphorus, potassium, calcium, magnesium, sulphur, and micronutrients in crop production. It considers the use and management of supplemental nutrients in both conventional and certified organic production. Soil pH and other factors that influence soil fertility, directly or indirectly, are also discussed. Labs take the form of problem-solving tutorials on nutrient management.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: SOIL 2000; preparatory: BIOA 2002

SOIL 3001 Soil Conservation in Agriculture (A)

CREDIT HOURS: 3

A study of the processes of soil degradation and its prevention or amelioration. A major part of the course concerns the erosion of agricultural soils and its control.

Other topics include soil compaction and soil acidification, soil reclamation, use of soil in waste recycling, and the role of soil in water conservation. Lab periods may be used for field trips, tutorials, or seminars.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: AGRI 1000

SOIL 4000 Environmental Soil Chemistry

CREDIT HOURS: 3

A study of chemical composition of soils (soil acidity, oxidation-reduction, ion exchange, adsorption-desorption reactions, clay mineralogy and organic matter transformations) in the context of environmental soil chemistry. Labs and seminar-discussions integrate basic soil chemical principles with problems in waste disposal, metal contamination, nutrient leaching, pesticide degradation, etc.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: SOIL 2000

CROSS-LISTING: AGRI 5450

SOIL 4001 Directed Studies in Soil Science (A)

CREDIT HOURS: 3

Directed studies involve a suitable combination of directed reading, written assignments, individual study or laboratory research projects in the area of soil science.

Classes are organized and scheduled by appropriate faculty via a course coordinator. Students should approach potential instructors directly with their requests.

NOTES: Fall or Winter semester

PREREQUISITE: SOIL 2000 and 20 degree credits

Technology Level Course Descriptions

SOIL 0100 Principles of Soil Science

CREDIT HOURS: 2

Designed to form a basis for the understanding of soil productivity, the course investigates the physical, chemical, and biological properties of soil. Laboratory exercises, using soils from the Atlantic region, illustrate the lecture material and introduce methods of soil analysis.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

SOIL 0200 Soil Management

CREDIT HOURS: 2

A study of the chemical, physical, and biological properties of soil as they relate to crop production. Soil fertility and fertilizer use, tillage and water management, and biological husbandry are discussed. Labs take the form of problem-solving tutorials in soil management.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: SOIL 0100

Spanish Courses

Courses

Below are courses offered in Spanish by the Faculty of Agriculture. Please see the Spanish Section in the Faculty of Arts and Social Sciences for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

SPNA 1000 Basic Spanish I (H)

CREDIT HOURS: 3

This course is designed to offer an initial competency in spoken and written Spanish. Comprehension, reading, writing, and conversation are encouraged throughout the course. An introduction to basic grammar is offered. Anglophone, francophone, and International students are encouraged to take this course. Students whose first language is Spanish will not be eligible.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

SPNA 1001 Basic Spanish II (H)

CREDIT HOURS: 3

This course is designed for anglophone, francophone and International students. It is a continuation of SPNA 1000, with emphasis on comprehension, conversation, reading, and writing.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: SPNA 1000

Special Topics Courses

Undergraduate Degree Level Course Descriptions

SPEC 2000 Topics in Economics and Business Management (A)

CREDIT HOURS: 3

An opportunity for students throughout the University to study introductory topics defined by an individual student, a group of students, or faculty. The course is conducted by classes, tutorials, assigned readings, assignments and/or other appropriate activities. Topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall, Winter or Summer semester

PREREQUISITE: 10 degree or diploma courses

SPEC 2001 Topics in International Development (A)

CREDIT HOURS: 3

An opportunity for students to study introductory topics in international development, with a focus on agriculture and rural development. Topics may be defined by the

individual student, a group of students, or faculty. The course is conducted by classes, tutorials, assignments, readings, and/or other appropriate activities. Students are encouraged to use international travel or study opportunities as a focus for the course, but this is not required. Topics must be supervised by a faculty member in the proposed area of interest, and approved by the Department Head of Business and Social Sciences. Students must apply to the Department Head at least six weeks before the semester start date.

NOTES: Fall, Winter or Summer semester

PREREQUISITE: Second-year standing

SPEC 4000 Special Topics in Animal Science or Aquaculture

CREDIT HOURS: 3

This is an opportunity to study a special topic in the area of animal science or aquaculture as defined by an individual student, group of students or faculty. The course is conducted by tutorials, assigned readings, assignments, field trips and/or other appropriate activities. The special topics would normally be supervised by a faculty or staff member associated with the Animal Science program or the Aquaculture program and approved by the department head.

NOTES: Fall or Winter semester

PREREQUISITE: Two years of full-time study at a post-secondary institution (normally 20 degree courses), and permission of the instructor

SPEC 4005 Special Topics in Agricultural Economics and Business I (A)

CREDIT HOURS: 3

An opportunity to study a special topic in the area of agricultural economics and business as defined by an individual student, a group of students, or faculty. The course is conducted by tutorials, assigned readings, assignments, and/or other appropriate activities. Special topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall, Winter or Summer semester

PREREQUISITE: 30 degree courses

SPEC 4007 Special Topics in Environmental Studies (A)

CREDIT HOURS: 3

This is an opportunity to study a special topic in the area of agricultural, environmental or environmental horticultural studies as defined by an individual student, a group of students, or faculty. The course is conducted by tutorials, assigned readings, assignments, and/or other appropriate activities. Special topics would normally be supervised by a faculty member associated with either the Environmental Sciences or Environmental Landscape Horticulture program, and must be approved by the coordinator.

NOTES: Fall or Winter semester

PREREQUISITE: 20 degree, technology or technical courses, including ENVA 2000 and ENVA 2001, and permission of the coordinator

SPEC 4009 Special Topics in Rural Studies (H)

CREDIT HOURS: 3

This is an opportunity to study a special topic in the area of rural studies as defined by an individual student, a group of students, or faculty. The course will consist of tutorials, assigned readings, writing assignments, and/or other appropriate activities. Special topics must be supervised by a Faculty member and approved by the Business and Social Sciences department head.

NOTES: Fall, Winter, or Summer semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: At least third-year standing

SPEC 4010 Special Topics in Plant Science I (A)

CREDIT HOURS: 3

An opportunity to study a special topic in the area of plant science as defined by an individual student, a group of students, or faculty. The course is conducted by tutorials, assigned readings, assignments, and/or other appropriate activities. Special topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall, Winter or Summer semester

PREREQUISITE: 20 degree courses or enrollment in the B.Tech (Env. Hort.) program

SPEC 4011 Special Topics in Plant Science II (A)

CREDIT HOURS: 3

A second special topics course provides additional opportunity for students to individualize the program with in-depth study of an approved topic. Although the second topic selected may be in a similar area of interest to that studied in SPEC 4010, it must be sufficiently distinct to warrant additional study. Special topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall, Winter or Summer semester

PREREQUISITE: 20 degree courses or enrollment in the B.Tech (Env. Hort.) program

SPEC 4012 Directed Studies in Agricultural Engineering I (A)

CREDIT HOURS: 3

Independent studies are developed through literature review or laboratory or field research on topics pertinent to agricultural engineering. Topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall or Winter semester

SPEC 4014 Directed Studies in Agricultural Engineering II (A)

CREDIT HOURS: 3

Independent studies are developed through literature review or laboratory or field research on topics pertinent to agricultural engineering. Lectures may be required depending on the instructors' and students' needs. Topics must be supervised by a faculty member and approved by the department head.

NOTES: Fall or Winter semester

PREREQUISITE: 20 degree courses

Statistics Courses

Courses

Below are courses offered in Statistics by the Faculty of Agriculture. Please see the Statistics Section in the Faculty of Science for courses offered on the Halifax campuses.

Undergraduate Degree Level Course Descriptions

STAA 2000 Introduction to Statistics

CREDIT HOURS: 3

Graphical presentation of data; descriptive statistics; normal, binomial, t and F distributions; sampling distributions and the central limit theorem; estimation and hypothesis testing of a single mean and the difference between two means; and introduction to correlation, regression and analysis of variance for simple experimental designs.

NOTES: Fall and Winter semesters

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

STAA 2001 Probability and Statistics for Engineering

CREDIT HOURS: 3

This calculus-based first course in probability and statistics is designed to interact with the major disciplines within engineering. Topics include descriptive statistics, mathematics of probability, random variables and probability distributions, estimation, hypothesis testing, linear regression and correlation, and introduction to analysis of variance. Problem-solving skills in material related to engineering will be emphasized.

NOTES: Winter semester

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

STAA 3000 Introduction to Planned Studies: Surveys and Experiments

CREDIT HOURS: 3

This course is a continuation of STAA 2000. Topics covered include sampling techniques, simple and multiple linear regression, analysis of variance for completely randomized and randomized block designs, nonparametric tests, and introduction to categorical data analysis.

NOTES: Winter semester

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

STAA 4000 Intermediate Statistical Methods

CREDIT HOURS: 3

Analysis of single-factor experiments, randomized blocks, latin squares, and factorial and two-level fractional factorial designs.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

Veterinary Technology Courses

Technology Level Course Descriptions

VTEC 0034 Externship in Specialty Field

CREDIT HOURS: 2

This course is designed to encourage the student to pursue the practical application of special interests in Veterinary Technology that would not be addressed in the externships in general practice or at the Atlantic Veterinary College. The externship is customized to the venue and contracted in a manner similar to the general practice externship.

NOTES: Typical institutions that sponsor this optional externship are farm animal or equine veterinary practices, intensive care and emergency clinics, specialty veterinary clinics, zoos, humane societies, and research facilities.

VTEC 0111 Animal Medicine and Nursing I

CREDIT HOURS: 2

This is the first in a stream of medicine and nursing courses designed to enable the student to grasp cognitively the principles and practices of veterinary medical, surgical, and related topics. In conjunction with other courses in the Veterinary Technology Program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Topics include animal handling and restraint; drug routes; prescription, control and narcotic drugs; vaccines and vaccination; anaesthesiology; surgical preparation; radiography principles and processing; and clinical calculations.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

VTEC 0112 Clinical Exercises I

CREDIT HOURS: 2

This is the first in a stream of clinical exercises courses designed to enable the student to practise medical, surgical, and related clinical skills. In conjunction with other courses in the Veterinary Technology Program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Animal care and maintenance duties are in addition to the scheduled hours in this course. Task areas included in this course are animal and facilities maintenance, drug administration, common clinical equipment, anaesthesiology, surgical preparation, and radiography.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

VTEC 0113 Veterinary Clinical Pathology I

CREDIT HOURS: 2

This is the first in a stream of theory and practical clinical pathology courses designed to enable the student to perform, and cognitively grasp the principles of, essential tasks in the in-house veterinary practice laboratory. In conjunction with other courses in the Clinical Pathology stream and the related internship and externships, these courses equip the graduate to perform entry-level laboratory diagnostic tasks in the veterinary practice workplace. Task areas and topics included in this course are microscopy, practical parasitology, urinalysis, the microhaematocrit, haemoglobin and the red blood cell, and initial blood film assessment.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

VTEC 0114 Fundamentals in Veterinary Technology I

CREDIT HOURS: 2

This is the first in a stream of courses designed to address discrete topics in veterinary technology. These topics may not warrant full course status; they may require attention at specific times in the syllabus; they may need to be addressed at several levels. Topics in this first fundamentals course are: orientation to the profession and to the program; first-aid training; WHMIS; workplace safety; and an introduction to zoonotic disease, animal husbandry, cleaning and disinfection, nutrition, animal behaviour, records in veterinary medicine, and veterinary medical terminology.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 5

VTEC 0115 Anatomy–Physiology–Pathophysiology I

CREDIT HOURS: 2

This is the first of two courses designed to enable the student to apply the principles of anatomy, physiology, and pathophysiology to animal nursing and medicine. Clinical applications are stressed, and progress through this course is coordinated with other courses in the semester. This course addresses the general topics of cell, tissue, organ, and system plus terms and processes in anatomy, physiology, and disease generally. It then deals with the anatomy, physiology, and typical disease processes in the major body systems. Systems in this course include musculoskeletal, cardiovascular, respiratory, and urinary/excretory.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

VTEC 0121 Animal Medicine and Nursing II

CREDIT HOURS: 2

This is the second in a stream of medicine and nursing courses designed to enable the student to grasp cognitively the principles and practices of veterinary medical, surgical, and related topics. In conjunction with other courses in the Veterinary Technology program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Topics included in this course are: anaesthesiology, surgical preparation and assisting, radiography exposure and positioning, clinical calculations, fluid therapy, blood sampling, common infectious diseases of companion animals, feeding in disease states, and introduction to dental disease and treatment.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: VTEC 0111, VTEC 0112

VTEC 0122 Clinical Exercises II

CREDIT HOURS: 2

This is the second in a stream of clinical exercises courses designed to enable the student to perform medical, surgical, and related clinical skills. In conjunction with other courses in the Veterinary Technology program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Animal care and maintenance duties are in addition to the scheduled hours in this course. Task areas included in this course are animal and facilities maintenance, drug administration, general nursing, anaesthesiology, surgical preparation, radiography, fluid therapy, sampling for the laboratory, and dental equipment and supplies.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: VTEC 0111, VTEC 0112

VTEC 0123 Veterinary Clinical Pathology II

CREDIT HOURS: 2

This is the second in a stream of theory and practical clinical pathology courses designed to enable the student to perform, and cognitively grasp the principles of, essential tasks in the in-house veterinary practice laboratory. In conjunction with other courses in the Clinical Pathology stream and the related internship and

externships, these courses equip the graduate to perform entry-level laboratory diagnostic tasks in the veterinary practice workplace. Task areas and topics included in this course are all prior topics, plus white blood cell development and assessment, total white blood cell counts, the differential count, toxic white cells, QBC/Æ evaluation, various blood film stains, Unopette/Æ counting systems, RBC indices, microscopic evaluation of urine, kit immunoassay tests, canine heartworm assays, Mycoplasma hemofelis, and clinical pathology case studies.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: VTEC 0113

VTEC 0124 Fundamentals in Veterinary Technology II

CREDIT HOURS: 2

This is the second in a stream of courses designed to address discrete topics in veterinary technology that do not warrant full-course status or that require attention during the semester to support other courses. Topics included in this course are: communications in the veterinary practice, veterinary medical records, credentialing and legislation in the veterinary professions, veterinary medical terminology, pharmacology, parasitology, computer applications in veterinary practice, and the economics of veterinary practice.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 5

PREREQUISITE: VTEC 0114

VTEC 0125 Anatomy–Physiology–Pathophysiology II

CREDIT HOURS: 2

This is the second of two courses designed to enable the student to apply the principles of anatomy, physiology, and pathophysiology to animal nursing and medicine. Clinical applications are stressed, and progress through this course is co-ordinated with other courses in the semester. This course addresses the anatomy, physiology, and typical disease processes in the remainder of the major body systems. Systems and topics in this course include: digestive, reproductive, nervous, and endocrine systems; organs of special sense; and skin. The principles of inheritance and genetics and embryology are dealt with using examples of common congenital diseases.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: VTEC 0115

VTEC 0131 Internship in Veterinary Technology

CREDIT HOURS: 2

This is a capstone course. In this course the learning objectives of all courses in the first two semesters are consolidated and re-tested. Students rotate through clinical, laboratory, and off-campus cooperating hospital experiences, with daily classroom sessions for discussion and testing. In clinical and diagnostic laboratory sessions, students hone skills learned in the first two semesters and acquire some new ones. Completion of this course is a prerequisite for registration in VTEC 0133 and for registration in all second-year courses (Semesters 4 and 5). The approximate division of elements of this course is: Clinical 64 hours (2 x 8 hr per week); Clinical Pathology 36 hours (3 x 3 hr per week); Cooperating Hospital 16 hours (1 x 4 hr per week); and Cognitive Classroom Sessions 16 hours (4 x 1 hr per week). Animal care and maintenance duties are in addition to scheduled hours in this course. Task areas included in this course are animal and facilities maintenance, drug administration, anaesthesiology, surgical preparation and assisting, radiography, clinical calculations, fluid therapy, blood sampling, feeding, and introduction to dental disease and treatment.

NOTES: Spring semester

VTEC 0132 Externship at the Atlantic Veterinary College

CREDIT HOURS: 2

This course is an off-campus externship delivered by the Atlantic Veterinary College (AVC). During these four weeks students are on duty with technical staff for approximately one-half of their time at the Veterinary Teaching Hospital (VTH). Evening and night shifts are a large part of the AVC Externship. Day shifts allow some opportunity for the student to choose specific areas of interest. In addition, there are structured learning exercises. There is a significant livestock and equine component to the AVC Externship. Students attend this externship in two or more sections. Attendance is required at all scheduled duty shifts and exercises. Completion of this course is a prerequisite for registration in VTEC 0133 and for registration in all second-year courses (Semesters 4 and 5).

NOTES: Spring semester. Note: Cost of transportation to AVC and room and board in Charlottetown are the responsibility of the student. Staff of the Veterinary Technology Program will assist the student where possible, but the responsibility for living arrangements is the student's.

VTEC 0133 Externship in General Veterinary Practice

CREDIT HOURS: 2

This course is an off-campus learning experience in a general veterinary practice. Students locate these externship practices from a list provided by the VT Program staff, but an unlisted practice contacted by a student may be approved. To be approved the practice must have a significant companion-animal (small-animal) clientele and employ at least one graduate AHT/VT. Students may apply to complete this externship in practices outside of the Atlantic Region. A contract between the student, the practice, and the University must be completed before this externship can begin. Weekly report forms and a final report are completed by practice personnel. Student assignments must be completed before a credit can be entered for this course.

NOTES: Spring semester

COREQUISITE: VTEC 0131

VTEC 0211 Animal Medicine and Nursing III

CREDIT HOURS: 2

This is the third in a stream of medicine and nursing courses designed to enable the student to grasp cognitively the principles and practices of veterinary medical, surgical, and related topics. In conjunction with other courses in the Veterinary Technology Program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Topics included in this course are anaesthesiology, pain management, surgical preparation and assisting, radiography, clinical calculations, fluid therapy, emergency procedures, blood sampling, non-infectious diseases of companion animals, feeding in disease states, and dental disease and treatment.

NOTES: Fall semester

FORMAT: Lecture
LECTURE HOURS PER WEEK: 4
PREREQUISITE: VTEC 0131, VTEC 0132

VTEC 0212 Clinical Exercises III

CREDIT HOURS: 2

This is the third in a stream of clinical exercises courses designed to enable the student to perform medical, surgical, and related clinical skills. In conjunction with other courses in the Veterinary Technology program and the related internship and externships, these courses equip the graduate to perform entry-level clinical tasks in the veterinary practice workplace. Animal care and maintenance duties are in addition to the scheduled hours in this course. Task areas included in this course are animal and facilities maintenance, drug administration, general nursing, anaesthesiology, surgical preparation and assistance, radiography, fluid therapy, sampling for the laboratory, and dental procedures.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: VTEC 0131, VTEC 0132

VTEC 0213 Veterinary Clinical Pathology III

CREDIT HOURS: 2

This is the third in a stream of theory and practical clinical pathology courses designed to enable the student to perform, and cognitively grasp the principles of, essential tasks in the in-house veterinary practice laboratory. In conjunction with other courses in the clinical pathology stream and the related internship and externships, these courses equip the graduate to perform entry-level laboratory diagnostic tasks in the veterinary practice workplace. Task areas and topics included in this course are all prior topics, plus theory of blood chemical tests, serum chemistry, large-animal parasites, haematology of alternate species, microbiology and antibiotic susceptibility testing, yeast and other fungi, advanced parasitology techniques, quality control in the laboratory, submissions to external laboratories, and clinical pathology case studies.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: VTEC 0131, VTEC 0132

VTEC 0214 Fundamentals in Veterinary Technology III

CREDIT HOURS: 2

This is the third in a stream of courses designed to address discrete topics in veterinary technology that do not warrant full-course status or that require attention during the semester to support other courses. Case reports from externships are delivered and discussed. Topics included in this course are veterinary medical terminology, pharmacology and dispensing, parasitology, clinical calculations, computer applications in veterinary practice, bookkeeping in the veterinary practice, and presentations to small groups.

NOTES: Fall semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 5

PREREQUISITE: VTEC 0131, VTEC 0132

VTEC 0215 Livestock and Equine Principles

CREDIT HOURS: 2

Through a mixture of classroom and field trip exercises, this course enables the Veterinary Technology student to recognize common equine and livestock breeds; describe livestock production cycles and methods; and use appropriate terminology. Common diseases of large animals as they relate to the veterinary technician are dealt with. Urgent and emergency clinical signs in large-animal species are stressed. Common clinical procedures in large-animal practice are outlined.

NOTES: Fall semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: VTEC 0131, VTEC 0132

VTEC 0221 Animal Medicine and Nursing IV

CREDIT HOURS: 2

This is the last and capstone course in a stream of medicine and nursing courses designed to enable the student to grasp cognitively the principles and practices of veterinary medical, surgical, and related topics. Upon completion of this course and the related course VTEC 0222, the graduate is able to perform entry-level clinical tasks in the veterinary practice workplace. Problem-oriented case studies are used as models. All task areas included in prior Animal Medicine and Nursing courses are revisited, and some are elaborated. Students are re-evaluated comprehensively.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 4

PREREQUISITE: VTEC 0211, VTEC 0212

VTEC 0222 Clinical Exercises IV

CREDIT HOURS: 2

This is the last and capstone course in a stream of clinical exercises courses designed to enable the student to perform medical, surgical, and related clinical skills. Upon completion of this course and the related VTEC0221, the graduate is able to perform entry-level clinical tasks in the veterinary practice workplace. All task areas included in prior Clinical Exercises courses are reviewed, some are elaborated, and students are re-evaluated.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: VTEC 0211, VTEC 0212

VTEC 0223 Veterinary Clinical Pathology IV

CREDIT HOURS: 2

This is the last and capstone course in a stream of theory and practical clinical pathology courses designed to enable the student to perform, and cognitively grasp the principles of, essential tasks in the in-house veterinary practice laboratory. Upon completion of this course the graduate is able to perform entry-level laboratory diagnostic tasks in the veterinary practice workplace. Students are re-evaluated comprehensively. Task areas and topics included in this course are all prior topics, plus cytology of the reproductive tracts, soft tissues, and body fluids; transfusion medicine; bone marrow evaluation; semen evaluation; cerebrospinal fluid; blood dyscrasias; coagulation factor evaluations; quality control programs; trouble shooting problems in the laboratory; and clinical pathology case studies.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: VTEC 0213

VTEC 0224 Fundamentals in Veterinary Technology IV

CREDIT HOURS: 2

This is the last and capstone course in a stream of courses designed to address discrete topics in veterinary technology that do not warrant full-course status or that require attention during the semester to support other courses. All topics included in prior Fundamentals courses are reviewed and some are elaborated, and students are re-evaluated comprehensively in all areas.

NOTES: Winter semester

FORMAT: Lecture

LECTURE HOURS PER WEEK: 5

VTEC 0225 Laboratory Animal and Alternative Pet Medicine

CREDIT HOURS: 2

This course enables the student to apply the principles of clinical nursing to alternate and exotic pets as well as to common laboratory animal species. It also enables the graduate to enter the research facility and, with supplemental training and experience, prepares the graduate for certification with the Canadian Association for Laboratory Animal Sciences. Topics include specialized animal sources, barriers and containment, bio-hazards, special requirements of various species, handling of and common techniques used on alternate and laboratory animal species, and the ethics of animal research and of wild animal species as pets.

NOTES: Winter semester

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: VTEC 0211, VTEC 0212, VTEC 0213, VTEC 0214

Faculty of Architecture and Planning

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P.O. Box: 15000

Halifax, NS B3H 4R2

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Introduction

The Faculty of Architecture and Planning includes the School of Architecture and the School of Planning. The Faculty's degree programs are primarily for individuals who intend to become a professional architect or planner. The Faculty also offers several courses that are open to all students in the university, as well as undergraduate and graduate courses that may be taken with permission from the instructor. The professional Architecture program (BEDS/MArch) is described in the Architecture section of this calendar. The Bachelor of Community Design program is described in the Planning section of this calendar. Please see the Graduate Studies calendar for a description of all graduate Architecture and Planning programs.

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Introduction

The School of Architecture, which is part of the Faculty of Architecture and Planning at Dalhousie University, was established in 1961 to serve the Atlantic region. While it continues to fulfill its original mandate, the School also contributes nationally and internationally to architecture through its dynamic faculty and committed student body. Its primary aim is to educate individuals who intend to become professional architects. The School's professional degree program includes the two-year Bachelor of Environmental Design Studies degree and the two-year Master of Architecture degree. Most of the program is conducted within the School of Architecture by full-time faculty members. It also includes two co-op work terms in which students gain practical experience in an architectural office.

The curriculum enables architectural education and practice to develop in parallel.

Design

The central activity of the professional degree program is architectural design: the creative study of buildings and cities. In the School's design studios, students examine historical and contemporary buildings in Canada and abroad, and respond through the design of new architectural projects. From the core studies of the undergraduate program to the elective studies and design thesis of the graduate program, students learn to rely on their artistic skill, their knowledge of history and technology, their social and cultural awareness, and their critical imagination. Architecture is a multi-disciplinary profession, with alliances to the fine arts, the humanities and technologies, and many undergraduate disciplines provide an effective entry into architecture. Conversely, architectural studies provide an excellent foundation for careers in a variety of design-related fields.

Facilities

The School is housed in the original home of the Nova Scotia Technical College, built in 1909 and renamed the Ralph M. Medjuck Building in 2005. Corresponding to the School's emphasis on architectural design, one-third of the building is devoted to studio spaces that are open to students 24 hours a day. The building also has several computer labs with a wide array of equipment, a fully-equipped woodworking shop, an experimental construction lab, a digital modeling shop, photographic and GIS facilities, and a large exhibition hall. The University Library's architecture collection is located nearby and a student resource centre is housed within the Faculty.

Co-op Work Terms

The School's professional degree program includes two work terms that provide students with practical experience in building design and responsible professional practice. The School's Co-op Program has been operating since 1970, and the Faculty of Architecture and Planning's Co-op Office assists students in finding suitable work term placements. In recent years, Architecture students have been employed in every province and territory in Canada, and approximately one-third have chosen to work abroad - most recently, in Argentina, Australia, China, Colombia, Germany, Japan, Kuwait, Netherlands, Norway, Singapore, Spain, United Arab Emirates, United Kingdom and the United States.

Accreditation

The School's professional degree program is fully accredited by the Canadian Architectural Certification Board (CACB). The entire six-year program consists of two years of general studies at a recognized university, followed by two years of undergraduate study at the School of Architecture (BEDS) and two years of graduate study at the School of Architecture (MArch).

In Canada, all provincial/territorial associations/institutes/orders recommend a degree from an accredited professional degree program as a prerequisite for licensure. The Canadian Architectural Certification Board, which is the sole agency authorized to accredit Canadian professional degree programs in architecture, recognizes two types of accredited degrees: the Bachelor of Architecture (BArch) and the Master of Architecture (MArch). A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Professional Registration

After receiving the professional degree, a graduate may fulfill additional requirements for professional registration, including a period of post-graduate practical experience and the completion of registration examinations. In Canada, these additional requirements are determined by provincial organizations that are empowered to register an individual for professional practice. An American citizen who graduates from the School's MArch program is qualified to become an architectural intern in the United States and to complete the examination for professional registration there. Applicants from other countries are advised to contact their national architectural organization about requirements for professional registration.

Staff

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Lecturer

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Cross-Appointed Faculty

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Senior Instructor

Jannasch, E., BEDS (TUNS), MArch (FP) (Dalhousie)

Courses Open to Non-Majors

The School of Architecture offers several courses that are open to all students in the university:

- ARCH 1000X/Y.06: Introduction to Architecture
- ARCH 1200X/Y.06: Science of the Built Environment
- ARCH 2000.03: Visual Thinking A
- ARCH 2001.03: Visual Thinking B
- ARCH 2025.03: Design Drawing

Please consult the university's academic timetable for available courses. Individuals who are not currently registered at Dalhousie University should refer to the university's regulations in this calendar for details on Special Student status.

Bachelor of Environmental Design Studies

BEDS is a two-year, full-time, pre-professional program for a student who has already completed at least two years of general studies in subjects other than architecture. It consists of four academic terms in residence and a four-month work term. The BEDS degree recognizes a student's successful completion of a minimum of four years of university study, including two at the School of Architecture.

The BEDS program consists primarily of required courses in Design, Humanities, Technology, Representation, and Professional Practice. These courses provide a base of academic knowledge and design skill from which a student may proceed to a graduate program. The BEDS program leads to the MArch program, as well as to the Faculty's other graduate programs in Environmental Design Studies and Planning. A BEDS graduate may also choose to continue into another related field in design, environmental studies, management, etc., at Dalhousie or elsewhere.

Regulations

For academic regulations that apply to undergraduate students in the School of Architecture (including workload, course changes, withdrawal, transfer credits, part-time studies, duration of undergraduate studies, minimum degree requirements, assessment, incomplete course work, reassessment of a grade, and academic standing), please refer to the Academic Regulations section and the Current Students section of the School of Architecture Website.

Please note that some undergraduate regulations differ from their graduate counterparts.

Graduate Degree Program

The entire professional degree program includes both the BEDS and MArch degrees. The Master of Architecture program information can be found using the link shown below.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

School of Architecture Courses

The first digit of an ARCH course number indicates its level: introductory courses open to all university students (1 and 2); Year 3 - BEDS (3); Year 4 - BEDS (4); or Undergraduate Co-op Work Term (8). The second digit indicates the area of study: Design (0), Humanities (1), Technology (2), Professional Practice (3), or Representation (5). Courses in the BEDS program have various credit-hour extensions (01-06) that indicate the approximate course hours each week and the appropriate balance of subjects for professional accreditation. Courses may be interchanged between academic terms, depending on the availability of instructors.

Professional Degree Program

The following chart illustrates the distribution of terms throughout the four years of the professional degree program in the School of Architecture. Following the two-year general studies prerequisite, the next two years are Bachelor of Environmental Design Studies and the final two years are Master of Architecture.

Fall	Winter	Summer
Year 3 - BEDS		Year 4 - BEDS
B1 (academic term)	B2 (academic term)	B3 (academic term)
		Year 5 - MArch
B4 (work term)	B5 (academic term)	M1 (academic term)
M2 (academic term)	M3 (work term)	M4 (work term)
Year 6 - MArch		
M5 (academic term)	M6 (academic term)	

Bachelor of Environmental Design Studies

Year 3 - Term B1 (Fall)

- ARCH 3001.06: Design
- ARCH 3104.03: Foundations in Architectural History and Theory
- ARCH 3207.03: Building Technology
- ARCH 3301.01: Professional Practice
- ARCH 3501.03: Representation

Year 3 - Term B2 (Winter)

- ARCH 3002.06: Design
- ARCH 3105.03: Architectural History and Theory - 20th Century
- ARCH 3208.03: Building Technology
- ARCH 3302.01: Professional Practice
- ARCH 3502.03: Representation

Year 4 - Term B3 (Summer)

- ARCH 4003.03: Design
- ARCH 4004.03: Free Lab
- ARCH 4110.03: Architectural History and Theory - 14th-18th Century
- ARCH 4211.03: Building Systems Integration
- ARCH 4303.01: Professional Practice
- ARCH 4501.03: Representation

Year 4 - Term B4 (Fall)

- ARCH 8892.03: Professional Practice (Co-op Work Term)

Year 4 - Term B5 (Winter)

- ARCH 4005.06: Design
- ARCH 4111.03: Architectural History and Theory - 19th Century
- ARCH 4212.03: Building Systems Integration
- ARCH 4304.01: Professional Practice
- ARCH 4502.03: Representation

Course Descriptions

ARCH 1000X/Y Introduction to Architecture

CREDIT HOURS: 6

This course introduces architectural theory and practice through enduring themes in the discipline. It emphasizes design as a method of study, considers the materiality of buildings, and interprets the built environment as an expression of culture.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab| Seminar

ARCH 1200X/Y Science of the Built Environment

CREDIT HOURS: 6

This course introduces a broad range of scientific principles that influence the construction and environment of buildings. It studies topics such as mechanics, ecology, light, heat, and sound. The course uses a "common-sense" approach involving graphic images, practical understanding, and problem-solving; a background in science or mathematics is not required.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

ARCH 2000 Visual Thinking A

CREDIT HOURS: 3

Architects, scientists, political activists, manufacturers, and others employ a variety of visual tools to study and engage with the world. Students in this course learn to evaluate maps, simple technical drawings, and other visual devices, and use them to analyze actual situations and to generate and present innovations. Hands-on work is emphasized, but no prior experience in drawing or design is needed. With its focus on conceptualizing the concrete, outer world, this course is a useful complement to

ARCH 2001.03.

FORMAT: Lecture| Seminar

PREREQUISITE: Completion of first year university or permission of instructor

ARCH 2001 Visual Thinking B

CREDIT HOURS: 3

As the world becomes more visually oriented, a critical appreciation of visual information becomes indispensable. Students use charts, diagrams and other means of externalizing, developing, and sharing ideas. In doing so, they learn to analyze the form of graphic information as well as the content. Hands-on work is emphasized, but no prior experience in drawing or design is needed. This course is a more abstract and reflective complement to ARCH 2000.03.

FORMAT: Lecture| Seminar

PREREQUISITE: Completion of ARCH 2000.03 or permission of instructor

ARCH 2025 Design Drawing

CREDIT HOURS: 3

This course enables students to enhance their design literacy skills through attention to graphic design, layout, composition, and typography. Students will gain experience in a range of techniques in design drawing and portfolio presentation.

FORMAT: Lecture| Lab

PREREQUISITE: ARCH 1000, PLAN 1002 or permission of instructor

CROSS-LISTING: PLAN 2025.03

ARCH 3001 Design

CREDIT HOURS: 6

This course studies basic principles of architecture through studio projects using drawings and models. Students design elementary building forms beginning with the pavilion, on various sites. Working with basic building elements of floor, wall and roof, students consider architectural composition and materials at the three scales of detail, building, and site. The course includes historical design studies to understand how other architects have responded to similar problems.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS students

ARCH 3002 Design

CREDIT HOURS: 6

This course studies principles of architecture by focusing on the design of the house. Building on topics from ARCH 3001, it considers issues of composition (structural, volumetric, and spatial), building program, interior environment, and relations to community context and ecological surroundings. The course includes historical design studies to understand how other architects have responded to these issues.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS students

ARCH 3104 Foundations in Architectural History and Theory

CREDIT HOURS: 3

This course introduces basic topics in architecture and interpretive methods in architectural research. It focuses on selected buildings and the role of the architect in the ancient and medieval eras. To develop research skills and architectural awareness, students interpret local buildings through direct experience and study distant and historical buildings through publications.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 3 BEDS students

ARCH 3105 Architectural History and Theory - 20th Century

CREDIT HOURS: 3

This course is a survey of late modern architecture, focusing on Europe and North America. Buildings and urban projects are situated in their social and political contexts and the theoretical constructs that influenced their development. Students are exposed to extramural archives and resources to research local modern buildings and their architects.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 3 BEDS students

ARCH 3207 Building Technology

CREDIT HOURS: 3

This course studies aspects of building technology that act as primary generators of architectural form: structure, material, light and sound. Construction process is examined in terms of materials, methods and sequences. Principles of building structure and methods of structural analysis are introduced. The physics and perception of light in built environments are studied. Quizzes and tests are complemented by studio exercises.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS Students

ARCH 3208 Building Technology

CREDIT HOURS: 3

This course studies aspects of building technology that mediate the relationship between interior and exterior environments. Building materials studies include structural and environmental properties, constructional implications, and principles of assembly and jointing. The principles of heat flow, air flow and moisture flow in building enclosures are presented. Students undertake a series of design exercises applying knowledge of topics studied in the course.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS students

ARCH 3301 Professional Practice

CREDIT HOURS: 1

This course introduces the role and place of the architect in society, with an emphasis on the development of the profession through history. It also studies representation methods employed by architects and their implications for design.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 3 BEDS students

ARCH 3302 Professional Practice

CREDIT HOURS: 1

In this week-long module students learn about the architect in society; the political, social, economic and ethical environments in which architects practice; and an introduction to office organization and project management.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 3 BEDS students

ARCH 3501 Representation

CREDIT HOURS: 3

This course studies fundamental concepts, techniques, and applications of architectural representation. Class work involves freehand drawing, orthographic drawing, model making, and photography. Drafting and modeling equipment are required.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS students

ARCH 3502 Representation

CREDIT HOURS: 3

This course builds on the principles of drawing, modeling, imaging, and composition studied in ARCH 3501. Topics include axonometric, perspective, tone, colour, and composition.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 3 BEDS students

ARCH 4003 Design

CREDIT HOURS: 3

This course studies principles of architecture through the design of a public building. Building on previous courses, it includes the organization of a public program and issues of context and interpretation. As an intensive studio it encourages students to focus on design intentions and to develop an awareness of design process.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4004 Free Lab

CREDIT HOURS: 3

To complement studio-based learning, this course is an experimental hands-on workshop in design led by an instructor. Investigations of a particular architectural topic may include design-and-build, documentary work, landscape installations, community design projects and interdisciplinary work. Projects may be done locally or involve travel to a distant site.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4005 Design

CREDIT HOURS: 6

This course studies advanced principles of architectural design through the design of a medium-sized institutional building. Elaborating on topics from the previous design courses, students organize a complex program on an urban site and develop a project that uses building technology strategically and engages relevant issues in architectural history and theory. Emphasis is also placed on fluency in architectural representation.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4110 Architectural History and Theory - 14th-18th Century

CREDIT HOURS: 3

This course studies significant buildings and the role of architecture from the Renaissance to the Enlightenment, mainly in Europe. It follows the transition from master builder to architect, and the humanist search for order and its manifestation in built form. Students analyze the design of significant buildings by studying historical documents and making interpretive drawings and models.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 4 BEDS students

ARCH 4111 Architectural History and Theory - 19th Century

CREDIT HOURS: 3

This course studies impacts of industrialization on architecture and the city in nineteenth-century Europe and North America. It considers major urban transformations in their socio-political context. Students examine primary and secondary sources to develop skills in research and criticism.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 4 BEDS students

ARCH 4211 Building Systems Integration

CREDIT HOURS: 3

This course studies the integration of building structural and enclosure systems in architectural design. Long span structural systems and lateral forces are examined, including their interaction with the enclosure system. Building enclosure studies include the performance of materials in assemblies, the performance of the building envelope, and the sequence of construction. The integration of structure and enclosure is examined through the construction detail. Students complete case studies and design projects integrating structure and enclosure in buildings.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4212 Building Systems Integration

CREDIT HOURS: 3

This course studies performance standards related to human activities in buildings, and the systems and configurations required to support those activities. Building systems are considered in relation to climate, urban situation, and the natural environment. Principles of systems thinking, as well as the use of physical and computational modeling methods, are applied to the comprehensive design of a building to achieve defined performance standards and to consider issues of sustainability with regard to energy balance, water conservation, and component materials.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4303 Professional Practice

CREDIT HOURS: 1

This course introduces contemporary office practices and project delivery including marketing, contracts, project phases and contract administration. The course also introduces issues related to the co-op work term, including job placement and the role of the student in a professional office.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 4 BEDS students

ARCH 4304 Professional Practice

CREDIT HOURS: 1

In this week-long module students learn about the architect in society; professional ethics; models of practice; legal aspects of practice; authorities having jurisdiction over building; the National Building Code; and internship.

FORMAT: Lecture| Seminar

RESTRICTIONS: Year 4 BEDS students

ARCH 4501 Representation

CREDIT HOURS: 3

This course studies the expressive use of manual and digital media to present design work to various audiences, including the architectural community and the public. Topics include image editing, rendering, and the integration of text, image, and model. Design work may be presented in an exhibition installation, printed book, and/or online portfolio.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 4502 Representation

CREDIT HOURS: 3

This course studies advanced strategies of representation. It promotes the fluent use of manual and digital media in design development, guided by architectural intentions and an understanding of architectural history, theory, and technology.

FORMAT: Lecture| Studio

RESTRICTIONS: Year 4 BEDS students

ARCH 8892 Professional Practice (Co-op Work Term)

CREDIT HOURS: 3

A student works in some aspect of the profession for a total of 500 hours to be accomplished in no less than 12 weeks, and completes a research report or assignment. Work placements are coordinated by the co-op coordinator for Architecture and must be approved by the School. In exceptional circumstances a student may apply to satisfy up to 500 hours of the time requirement through supervised research related to professional practice.

RESTRICTIONS: Year 4 BEDS students

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Community Design

Community design studies the shape, patterns, processes, and issues in human and natural communities. It explores the world as a system of interconnected and embedded communities linked by cultural and natural processes. Courses examine interventions by which people can work towards creating and maintaining healthy and sustainable communities.

The study of community design at Dalhousie is distinguished by:

- **an emphasis on design.** The School recognizes the importance of visual and spatial information and analysis, and introduces design as a method of learning, analyzing, and addressing problems. Design is comprehensive, integrative, context-sensitive, and synthetic.
- **a focus on reasoned, creative, and practical outcomes.** Courses will attract students eager to make changes in the world they inhabit. They will develop the knowledge and skills to allow them to analyze community issues, and to propose and implement appropriate courses of action to achieve desired outcomes.

The School of Planning offers undergraduate education in community design. Various programs are possible: the Bachelor of Community Design (BCD) is a three year program; a Double Major in Community Design and Sustainability is a four year program.

Students with high academic standing may apply for the Bachelor of Community Design (Honours) program, with a Major in either Environmental Planning or Urban Design Studies (a four year program). The BCD Honours program is a first professional degree recognized by the Canadian Institute of Planners. Students considering the BCD Honours program (either Environmental Planning or Urban Design Studies Major) have the option of doing a Minor in Environmental Studies, a Minor in Geography or a Double Major with Sustainability.

The Bachelor of Community Design is a three-year general program for students interested in understanding how communities work and the principles that planners and other design professionals use in creating communities. Students with a strong commitment to sustainability may take the four-year Double Major in Community Design and Sustainability. Students who meet the requirements for admission to the Honours program take specialized fourth year courses in either Environmental Planning or Urban Design Studies.

In addition to their regular program, BCD students are eligible to take the Certificate in Geographic Information Science offered by the Faculty of Science.

Students wishing to enter the program must have completed grade 12 with a 70% or greater average in five grade 12 subjects including English, Math, and one Science (Biology or Geology are recommended). Grade 12 Geography is recommended, and a background in art or design is an asset. Students who have successfully completed a full year of university or college level studies may apply to transfer to the Bachelor of Community Design and may be considered for advanced standing. (Those admitted as transfer students should consult the Undergraduate Advisor in Planning for advice on course selection.)

All students admitted to the BCD must meet the Dalhousie requirement for a full course or equivalent in courses with a significant writing requirement, usually completed in the first year of university study. Students must complete at least a full course or equivalent in a science subject, and a full course or equivalent in an arts, humanities, or social sciences subject to graduate.

Students must complete at least 42 credit hours (seven full course equivalents) at the 2000 level or higher for the three year (90 credit hour) degree, or at least 72 credit hours (12 full course equivalents) at the 2000 level or above for a four year degree (120 credit hours).

Staff

Professors

Grant, J., BA (UWO), MA (McMaster), MA, PhD (Waterloo), FCIP, LPP
Palermo, F., BArch (Toronto), MArchUD (Harvard) FCIP, LPP, FRAIC

Associate Professors

Manuel, P., BA (Carleton), MSc (McGill), PhD (Dalhousie), MCIP, LPP
Rapaport, E., BSc (Wisconsin), MSc, PhD (RIT Stockholm), MCIP
Zuck, J., BA (Hiram), BDEP (NSCAD), MArch (Pennsylvania), MCIP, LPP, FCSLA

Assistant Professor

Habib, M. A., BURP, MURP (Bangladesh), MSc, PhD (Toronto)
Terashima, M., BSc (Michigan State), MSc (UBC), PhD (Dalhousie)

Adjunct Faculty

Alstrom-Rapaport, C., BSc (Uppsala), MSc (Wisconsin), PhD (Swedish University of Agricultural Sciences)
Busby, P., BA (Dalhousie), MURP (TUNS)
Ruffman, A., BSc (Toronto), MSc (Dalhousie)
Thompson, K., BSc (UPEI), BDes (NSCAD), MPS (Dalhousie)
Whitcomb, C., BA (Guelph), MA (Waterloo)

Cross-Appointed Faculty

Beazley, K., Resource and Environmental Studies

Boxall, J., Major appointment as Map and Geospatial Information Librarian, Killam Library

Rainham, D., Environmental Science

Wright, T., Environmental Programs

Bachelor of Community Design (three year program)

The Bachelor of Community Design normally takes three years of full time study. It includes 90 credit hours of course work. Core required courses for the program include PLAN 1001.03, PLAN 1002.03, PLAN 2001.03, PLAN 2002.03, PLAN 2005.03, PLAN 2006.03, PLAN 3001.03, PLAN 3002.03, PLAN 3005.03, PLAN 3006.03, PLAN 3025.03. In year one students take PLAN 1001.03, PLAN 1002.03, and GEOG 1030.03/ERTH 1030.03. They also select either ARCH 1000.06 or ENVS 1000.06 or SUST 1000.06 (although they may take two). Students must complete six credit hours of an approved English writing requirement course (see below), six credit hours of science courses and six credit hours of courses from the humanities or social science disciplines.

Students will select six credit hours from the following courses approved for the Bachelor Community Design English writing requirement. Other writing requirement courses may be considered by the School of Planning on an individual basis:

CLAS 1010X/Y.06, CLAS 1100X/Y.06, ENGL 1000X/Y.06, ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1100.03, ENGL 2100.03, ENGL 2110.03, HIST 1005.06, HSTC 1800.03, HSTC 1801.03, JOUR 1001X/Y.06, POLI 1103X/Y.06, PHIL 1010X/Y.06, SOSA 1050.06, SUST 1000.06, THEA 1000X/Y.06, THEA 1300X/Y.06

Program requirements are as follows:

Year 1

- PLAN 1001.03: Introduction to Community Design 1
- PLAN 1002.03: Introduction to Community Design 2
- GEOG 1030.03/ERTH 1030.03: Physical Geography
- Select from among: ARCH 1000.06 or ENVS 1000.06 or SUST 1000.06
- Plus 15 credit hours, normally including the six credit hours English writing requirement

The School of Planning recommends that students also consider taking at least one of EARTH 1080.03 or EARTH 1090.03, or GEOG 1035.03 in their first year.

Year 2

- PLAN 2001.03: Landscape Analysis
- PLAN 2002.03: Community Design Methods
- PLAN 2005.03: Community Design Context
- PLAN 2006.03: Space, Place and GIS
- Select Three credit hours from among: *core electives list* (see below)
- Plus 15 more credit hours - electives of student's choice

Year 3

- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3006.03: Reading the Landscape
- PLAN 3025.03: Representation in Design.
- Select three credit hours from among: *core electives list*
- Plus 12 more credit hours - electives of student's choice

Bachelor of Community Design, Double Major in Community Design and Sustainability (four year program)

For complete details about the College of Sustainability see the College of Sustainability section. The Double Major in Community Design and Sustainability normally requires four years of full time study (120 credit hours). It includes 20 full course equivalents, or 120 credit hours of course work. Core courses required for the Community Design portion of the program include PLAN 1001.03, PLAN 1002.03, PLAN 2001.03, PLAN 2002.03, PLAN 2005.03, PLAN 2006.03, PLAN 3001.03, PLAN 3002.03, PLAN 3005.03, PLAN 3006.03, PLAN 3025.03; and GEOG 1030.03. Students also select 15 credit hours from the BCD core electives list.

Courses required for the Sustainability portion of the program include SUST 1000.06, SUST 1001.06, SUST 2000.06, SUST 2001.06, SUST 3000.03, SUST 3502.03 or MGMT 3701.03, SUST 3002.03, SUST 4000.06. BCD Honours Double Major students are not required to take SUST 3002.03, SUST 4000.06, or six credit hours SUST/ESS electives.

Program requirements are as follows:

Year 1

- PLAN 1001.03: Introduction to Community Design 1
- PLAN 1002.03: Introduction to Community Design 2
- EARTH 1030.03/GEOG 1030.03: Physical Geography
- SUST 1000.06: Introduction to Environment, Sustainability and Society 1
- SUST 1001.06: Introduction to Environment, Sustainability and Society 2
- Plus nine credit hours of electives

[Note: SUST 1000 and SUST 1001 fulfil the first year writing requirement, the science requirement, and the social science requirement.]

Year 2

- PLAN 2001.03: Landscape Analysis
- PLAN 2002.03: Community Design Methods
- PLAN 2005.03: Community Design Context
- PLAN 2006.03: Space, Place and GIS
- SUST 2000.06: Local Governance, Citizen Engagement and Sustainability
- SUST 2001.06: Environment, Sustainability and Governance: A Global Perspective
- Plus six credit hours of electives

Year 3

- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3006.03: Reading the Landscape
- PLAN 3025.03: Representation in Design
- SUST 3000.03: Environmental Decision Making
- SUST 3502.03: The Campus as a Living Laboratory or MGMT 3701.03: The Community as a Living Laboratory
- Select three credit hours from among: BCD core elective list
- Plus six more credit hours - electives of student's choice or if Honours, from list of approved ESS electives

Year 4

- SUST 4000.06: Environment, Sustainability and Society: Capstone (not Honours)
- SUST 3002.03: Environment and Sustainability Internship (not Honours)
- Select six credit hours from BCD core electives list (at or above the 2000 level)
- Plus 15 credit hours in electives of student's choice

Bachelor of Community Design (Honours) (four year program)

The Bachelor of Community Design (Honours) normally takes four years of full-time study. Students complete the requirements for the general community design

program and then complete a fourth year of specialized study. The program requires 20 full course equivalents, or 120 credit hours of course work.

The Honours programs provide opportunities for students who do well in their studies to deepen their understanding through additional course work, an internship work placement, and community-based research projects. Students participate in community design studios where learning involves working on community-centred projects. Thus students gain practical experience to bring to bear on their academic studies. The BCD Honours is a first professional degree in planning recognized by the Canadian Institute of Planners.

Students may apply for entry to the BCD Honours program once they have completed all first year requirements, including the English writing requirement, and the mandatory second year (2000 level) planning courses. A limited number of students are accepted to the BCD Honours program each year. Admission to the Honours degree requires the following:

1. 3.0 or higher cumulative GPA; and
2. 3.0 or higher GPA calculated for mandatory planning and core elective courses completed at the time of application to the Honours program. (Where students have completed more than nine credit hours of core electives, the highest grades for the nine credit hours will be used in the calculation.); and
3. A portfolio submitted to the School of Planning by a date in the Winter semester each year, announced in the immediately preceding Fall semester of each academic year in the School of Planning. Requirements of the portfolio are available from the School of Planning.

Admission to the Honours program is competitive. Up to 20 applicants will normally be admitted to the Honours degree based on admission review.

Once in the Honours program, students must maintain both a cumulative GPA of 3.0 or higher and a GPA of 3.0 or higher for mandatory Planning courses and core electives. If a student falls below either of these minimum standards, the student cannot continue in the Honours program. A student may apply for re-entry to the Honours program once the minimum standard is restored. Students have a choice of major within the Honours program. During the Honours year, students require 30 credit hours, as follows.

Year 4 of Honours Major in Urban Design and Planning

- PLAN 4002.06: Urban Design Studio
- PLAN 4050.03: Thesis Proposal
- PLAN 4101.03: History and Theory of Urban Design
- PLAN 4035.03: Application of Planning Law
- PLAN 4100.03: Community Design Internship
- PLAN 4500.06: Thesis Project
- six credit hours from core elective list B (Urban Design Studies) or list C (electives for either major) at 2000 level or above

Year 4 of Honours Major in Environmental Planning

- PLAN 4001.06: Environmental Planning Studies
- PLAN 4050.03: Thesis Proposal
- PLAN 4035.03: Application of Planning Law
- PLAN 4100.03: Community Design Internship
- PLAN 4500.06: Thesis Project
- three credit hours from core electives list A (Environmental Planning) and six credit hours from core electives list A or list C (electives for either major) at 2000 level or above

Requirements for Graduation with Honours

In order to graduate with the Honours (Major) distinction in the BCD the student will have completed the course requirements identified above and will have a cumulative GPA of 3.0 or higher and a calculated GPA of 3.0 or higher for required Community Design courses and core electives.

BCD Honours Conversion

Students who complete the three-year BCD program and graduated with the degree may apply to convert their degree to Honours with an additional year of study to complete the requirements for the Honours degree.

Eligible students need to meet the following conditions:

- They completed the three-year BCD with a cumulative GPA of 3.0 or greater and a calculated GPA of 3.0 or higher for mandatory Community Design courses and core electives;
- A portfolio submitted to the School of Planning by a date in the Winter semester of each year, announced in the immediately preceding Fall semester of each academic year in the School of Planning. Requirements of the portfolio are available from the School of Planning.

- They completed the BCD not more than 10 years prior to application for Honours Conversion.

Requirements for graduation

The Honours Conversion program normally involves one year of full time study while the student completes the requirements for the Honours Major. Thirty (30) credit hours of required courses are completed. Students must maintain a cumulative average of not less than 3.0 and a GPA of not less than 3.0 calculated for mandatory Community Design courses and core electives in the Honours year.

Conversion Year requirements for the Honours Major in Environmental Planning

- PLAN 4001.06: Environmental Planning Studio
- PLAN 4100.03: Community Design Internship
- PLAN 4050.03: Thesis proposal
- PLAN 4500.06: Thesis project
- PLAN 4035.03: Application of Planning Law
- three credit hours from core electives list A (Environmental Planning) and six credit hours from core electives list A or list C (electives for either major) at 2000 level or above

Conversion Year requirements for the Honours Major in Urban Design and Planning

- PLAN 4002.06: Urban Design Studio
- PLAN 4100.03: Community Design Internship
- PLAN 4101.03: History and Theory of Urban Design
- PLAN 4050.03: Thesis proposal
- PLAN 4500.06: Thesis project
- PLAN 4035.03: Application of Planning Law
- six credit hours from core elective list B (Urban Design Studies) or list C (electives for either major) at 2000 level or above

Students who may have completed any required courses from the honours year as part of the 90 credit hours of the general BCD program will select alternative core elective credits from the lists to make up the credit hours to a total of 30.

Bachelor of Community Design (Honours) with a Minor in Environmental Studies

See Minors section of this calendar.

Bachelor of Community Design (Honours, Major) with a Minor in Geography

The Minor in Geography is available to students registered in the BCD Honours Major 120 credit hours degree programs. Requirements are the completion of six credit hours at the 1000 level, a compulsory three credit hours at the 2000 level or higher. Students in community design cannot assign required, geography cross-listed planning courses to the minor degree, nor can they assign geography cross-listed planning courses used to meet BCD program elective requirements to the geography minor. EARTH 1030/GEOG 1030 is required for both the BCD degree and the Minor in Geography. See Minors and Geography for details on the Minor in Geography requirements and course offerings.

Bachelor of Community Design Honours, Double Major in Community Design (Urban Design and Planning) and Sustainability

Students also have the option to earn a double major in Sustainability within the Honours program. Year 4 of the BCD Honours Double Major in Sustainability is the same as year 4 of the BCD Honours Major. Honours Double Major students are not required to take SUST 3002.03, SUST 4000.06 or six credit hours from the approved list of ESS electives.

Program core electives for the Bachelor of Community Design

Each program in Community Design requires that the student select a specified number of credit hours of core electives from the approved lists (contact the

Undergraduate Advisor for a more current list).

Students earning the three-year Bachelor of Community Design must select from among courses in any of the three categories (environmental planning, urban design studies, or open to both) for their “core electives”. In year three, students are recommended to select courses at the 2000 level or above for their core electives.

Students earning the four-year Bachelor of Community Design Double Major in Community Design and Sustainability must select from among courses in any of the three categories (environmental planning, urban design studies, or open to both) for their BCD “core electives”. In year three and four, students are recommended to select courses at the 2000 level or above for their core electives.

In their Honours year, students earning the Bachelor of Community Design Honours, Major in Environmental Planning, must select “core electives” from among courses at the 2000 level or above in the categories “Environmental planning” (A) or “Electives for either option” (C).

In their Honours year, students earning the Bachelor of Community Design Honours, Major in Urban Design and Planning, must select “core electives” from among courses at the 2000 level or above in the categories “Urban design studies” (B) or “Electives for either option” (C).

In their Honours year, students earning the Bachelor of Community Design Honours, Double Major in Environmental Planning and Sustainability, must select “core electives” from among courses at the 2000 level or above in the categories “Environmental planning” (A) or “Electives for either option” (C).

In their Honours year, students earning the Bachelor of Community Design Honours, Double Major in Community Design (Urban Design and Planning) and Sustainability, must select “core electives” from among courses at the 2000 level or above in the categories “Urban design studies” (B) or “Electives for either option” (C).

Note: Students must check to ensure they meet the prerequisites for any courses they select. In some cases, courses may be full or unavailable. Some courses may require the instructor’s or department’s consent. Not all courses are offered every year.

Environmental planning option core electives (List A)

- ENVS 1000.06: Introduction to Environmental Science
- ENVS 3200.03: Environmental Law
- ENVS 3210.03: Administrative Law for Environmental Scientists
- ENVS 3300.03: Contaminated Site Management
- ENVS 3400.03: Environment and Human Health
- ENVS 3501.03: Environmental Problem Solving 1
- ENVS 3502.03: Environmental Problem Solving 2
- ENVS 4001.03: Environmental Impact Assessment
- BIOL 1010.03: Principles of Biology Part I
- BIOL 1011.03: Principles of Biology Part II
- BIOL 1020.03: Introductory Biology - DE
- BIOL 1021.03: Introductory Biology - DE
- OCEA 2800.03/GEOG 2300.03/PHYC 2800.03: Climate Change
- BIOL 2060.03: Introduction to Ecology
- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 3061.03: Communities and Ecosystems
- BIOL 3601.03: Nature Conservation
- BIOL 3623.03: Applied Coastal Ecology
- BIOL 3624.03: Urban Freshwater Systems
- EARTH 1080.03: Geology I
- EARTH 1090.03: Geology II
- EARTH 2410.03: Environmental Issues in Earth Sciences
- EARTH 3440.03/GEOG 3440.03: Geomorphology
- PHIL 2480.03: Environmental Ethics
- HIST 3370.03: North American Landscapes
- POLI 3385.03: Politics of the Environment
- ENVE 3412.03: Energy and Environment
- ENVE 4432.03: Waste Management
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics

Urban Design Studies and Planning* core electives (List B)

- ARCH 1000.06: Introduction to Architecture
- ARCH 2000.03/ARCH 2001.03: Visual Thinking
- HIST 1004.06: Introduction to European History
- HIST 1501.03: Comparative Global History

- HIST 1502.03: Origins of Modern Global Society
- HIST 2006.03: The Atlantic World 1450-1650: Colonization
- HIST 2007.03: The Atlantic World 1650-1800: European Empires in the Americas
- HIST 2212.03: Social History of Canada since 1870
- HIST 3223.03: The Caring Society? Welfare in Canada since 1900
- ECON 2200.03/ECON 2201.03: Intermediate Micro/Macro Economics
- ECON 2218.03: The Canadian Economy in the New Millennium: Economic policy debates for the next decade.
- SLWK 2010.03: Introduction to Community Social Work
- SLWK 3011.03/SLWK 3012.03: Perspectives on Social Welfare Policy
- SOSA 2041.03/SOSA 2042.03: Social Inequality
- SOSA 2300.06: Introduction to Social Problems
- SOSA 3031.03: Social Problems and Social Policy
- PLAN 4102.03: Urban Economics

Core electives that may count for either Major (List C)

- ARCH 1200.06: Science of the Built Environment
- GEOG 1035.03: Introduction to Human Geography
- HIST 3210.03/GEOG 3210.03: Canadian Cultural Landscapes
- GEOG 2000.03: Cartography
- POLI 1055.03: Governments and Democracy
- POLI 1035.03: The Political Process in Canada
- POLI 1100X/Y.06: Intro to Government and Politics
- POLI 1103.06: Introduction to Government and Politics [wr]
- POLI 2230.03: Local Government
- POLI 3220.03: Intergovernmental Relations
- POLI 3231.03: Urban Governance in Canada
- POLI 3235.03: The Politics of Regionalism
- POLI 4228.03/POLI 5231.03: Pressure Politics in Canada
- POLI 4240.03: Policy Formulation in Canada
- POLI 4241.03: Introduction to Policy Analysis
- ECON 1101.03: Principles Micro Economics
- ECON 1102.03: Principles Macro Economics
- ECON 2334.03: Globalization and Economic Development
- ECON 2336.03: Regional Development
- HSTC 1200.06: Introduction to the History of Science
- HSTC 4000.06: Science and Nature in the Modern Period
- INTD 2001.03/INTD 2002.03: Introduction to Development
- INTD 3000.03/INTD 3001.03: Seminar in Development
- SOSA 2101.03: Environment and Culture
- SOSA 3220.03: Coastal Communities in the North Atlantic
- SOSA 3284.03: Living in Cities
- PHIL 2485.03: Technology and the Environment
- OCCU 2000.03: Occupation and Daily Life
- ENVS 3500.03/ERTH 3500.03/GEOG 3500.03/SCIE 3600.03: Exploring Geographic Information Systems
- PLAN 2025.03: Design Drawing
- PLAN 2010.03: Sustainable Community Design
- PLAN 3010.03: Urban Ecology
- PLAN 3015.03: Site Infrastructure
- PLAN 3020.03: Landscape Design
- PLAN 3040.03: Reading the Suburbs
- PLAN 3045.03: Community Design Practice
- PLAN 3050.03: Topics in Community Design (Other topics included under PLAN 3051, PLAN 3052, PLAN 3053)
- PLAN 3056.03: Computers in Community Design and Planning
- PLAN 3060.03: Quantitative Methods for Planners
- PLAN 3225.03: Plants in the Human Landscape
- PLAN 4105.03: Land Development Economics
- PLAN 4106.03: Transportation Planning
- PLAN 4107.03: Regional Planning
- PLAN 4108.03: History and Theory of Landscape Architecture
- PLAN 4111.03: Housing Theory
- PLAN 4150.03: Topics in Planning
- PLAN 4200.03: Independent Study
- ARCH and PLAN (any course for which the School and the course instructor has given permission for the BCD student to enroll)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Not all courses are offered every term. Please consult the university timetable for current listings.

- PLAN 1001.03: Introduction to Community Design 1
- PLAN 1002.03: Introduction to Community Design 2
- PLAN 2001.03: Landscape Analysis
- PLAN 2002.03: Community Design Methods
- PLAN 2005.03: Community Design Context
- PLAN 2006.03: Space, Place and GIS
- PLAN 2010.03: Sustainable Community Design
- PLAN 2025.03: Design Drawing
- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3006.03: Reading the Landscape
- PLAN 3010.03: Urban Ecology
- PLAN 3015.03: Site Infrastructure
- PLAN 3020.03: Landscape Design
- PLAN 3025.03: Representation in Design
- PLAN 3040.03: Reading the Suburbs
- PLAN 3045.03: Community Design Practice
- PLAN 3050.03: Topics in Community Design
- PLAN 3055.03: Computers in Community Design and Planning
- PLAN 3060.03: Quantitative Methods for Planners
- PLAN 3225.03: Plants in the Human Landscape
- PLAN 4001.06: Environmental Planning Studio
- PLAN 4002.06: Urban Design Studio
- PLAN 4035.03: Application of Planning Law
- PLAN 4050.03: Thesis Proposal
- PLAN 4100.03: Community Design Internship
- PLAN 4101.03: History and Theory of Urban Design
- PLAN 4102.03: Urban Economics
- PLAN 4105.03: Land Development Economics
- PLAN 4106.03: Transportation Planning
- PLAN 4107.03: Regional Planning
- PLAN 4108.03: History and Theory of Landscape Architecture
- PLAN 4111.03: Housing Theory
- PLAN 4150.03: Topics in planning
- This course provides opportunities to examine selected topical issues in planning in a seminar discussion. (Other topics included under PLAN 4151, PLAN 4152, PLAN 4153)
- PLAN 4200.03: Independent Study

Course Descriptions

PLAN 1001 Introduction to Community Design 1

CREDIT HOURS: 3

This course introduces community design by exploring the characteristics of human and natural communities, the connections between them, and the types of interventions designers and planners can make to help people create good living environments. Community design involves applying scientific and creative approaches to helping communities accommodate human needs while respecting the environment.

FORMAT: Lecture| Tutorial| Seminar

PLAN 1002 Introduction to Community Design 2

CREDIT HOURS: 3

This course builds on the lessons from Introduction to Community Design 1 by exploring how designers affect the form, structure, and character of human settlements. It examines principles of design, and helps students understand strategies and develop techniques for documenting, testing, and communicating ideas. Students will work on a community design project. PREREQUISITE: PLAN 1001.03

FORMAT: Lecture| Lab| Tutorial

PLAN 2001 Landscape Analysis

CREDIT HOURS: 3

Designers and planners need to understand the influence of physical, biological, and cultural systems in landscape evolution, and the relevance of that information in analyzing land capability. Students develop inventory and analysis tools for understanding environmental processes and their implications for design and planning. There will be field trips and a lab component.

FORMAT: Lecture| Lab

PREREQUISITE: or Concurrent: GEOG/ERTH 1030.03

CROSS-LISTING: GEOG 2001.03

PLAN 2002 Community Design Methods

CREDIT HOURS: 3

This course explores the design theory, processes, principles, and methods that inform community design. Students will develop design literacy and skills, and engage in problem-solving exercises and projects.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 1002.03 or concurrent

PLAN 2005 Community Design Context

CREDIT HOURS: 3

Our communities are shaped by a wide range of factors as varied as the way we organize power within our government system, the significance of the profit motive in our economy, and our cultural desire to separate work and home. This course considers various governance, economic, social, demographic, and service issues that influence the shape and regulation of communities and landscapes in the contemporary context. It examines a range of scales, from international through national, provincial and local.

FORMAT: Lecture| Seminar

PREREQUISITE: PLAN 1001.03 or concurrent

PLAN 2006 Space, Place and Geographic Information Systems

CREDIT HOURS: 3

Planners use Geographical Information Systems (GIS) for data collection, coordination, and analysis. Properly interpreted, GIS data contribute to informed decision-making. This course explores the application of GIS in planning within a project-centred setting. Students learn to use GIS to address land use and site planning issues. The course also considers mapping standards used within the field of planning, and examines legal, privacy, and ethical implications of using GIS data in the public realm.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN/GEOG 2001

CROSS-LISTING: GEOG 2006.03

EXCLUSIONS: PLAN 3055.03

PLAN 2010 Sustainable Community Design

CREDIT HOURS: 3

Through case studies and collaborative design projects, this course explores how the form of communities can change in response to new environmental awareness, shifting economic conditions, emerging technologies, and a focus on sustainable local action.

FORMAT: Lecture| Tutorial

PREREQUISITE: PLAN 1001.03 and PLAN 1002.03, or SUST 1000.06

PLAN 2025 Design Drawing

CREDIT HOURS: 3

This course allows students to enhance their design literacy skills through attention to graphic design, layout, composition, and typography. Students will become familiar with and gain experience in a range of drawing techniques to enhance their skills in design drawing and portfolio presentation.

FORMAT: Lecture| Lab

PREREQUISITE: ARCH 1000.06 or PLAN 1002.03 or permission of instructor

CROSS-LISTING: ARCH 2025.03

PLAN 3001 Landscape Ecology

CREDIT HOURS: 3

Landscapes reflect the interaction of natural and cultural processes. This course introduces the principles of ecology to landscape analysis. It explores relationships between environmental components in the landscape to inform community design and land use planning applications.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: PLAN 2001.03/GEOG 2001.03, and PLAN 2006.03

CROSS-LISTING: GEOG 3001.03

PLAN 3002 Reading the City

CREDIT HOURS: 3

Any city reflects the history of its topography, cultural traditions, and design interventions. This course introduces the principles, theories, and methods of urban form analysis in the local urban context. Students explore the local urban environment to interpret what the city means, and how it comes to take the shape it does.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: PLAN 2001.03 and PLAN 2005.03
CROSS-LISTING: PLAN 5012.03

PLAN 3005 Cities and the Environment in History

CREDIT HOURS: 3

The contemporary landscape reflects a long history of human activities on the land and design and planning interventions through time. Civilizations rise and fall, often because of their degradation of the ecosystems that support them. This course examines the relationship of cities with the environment to enhance our understanding of landscape change, urban form and patterns in human settlements through the ages.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 5005.03, GEOG 3005.03

PLAN 3006 Reading the Landscape

CREDIT HOURS: 3

Any landscape reflects its natural and cultural history. This course explores principles, theories, and methods of landscape interpretation. These approaches will be applied to community design problems in local landscapes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PLAN 3001.03 and PLAN 3002.03

CROSS-LISTING: GEOG 3006.03

PLAN 3010 Urban Ecology

CREDIT HOURS: 3

More than three-quarters of Canadians, and more than half the world's population, live in urban settings. This course treats the urban system as habitat made by and for people, and takes an ecological approach to the flows of energy and materials which make urban life possible. Students study their own behaviour and surroundings, comparing their observations with data from Canada, North America, and the rest of the world. This leads to discussions about the health and sustainability of urban communities.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 6103.03

PLAN 3015 Site Infrastructure

CREDIT HOURS: 3

The course examines the role of infrastructure in community design and site planning. Students are introduced to principles of grading, access, service provision, and cost estimating. Key exercises allow students to apply theory to practical projects.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PLAN 2001.03, PLAN 2006.03 and PLAN 3002.03

CROSS-LISTING: PLAN 5015.03

PLAN 3020 Landscape Design

CREDIT HOURS: 3

The course introduces principles and methods of site design. It pays special attention to social, natural, and technical components as factors in adapting sites for human use. Practical projects allow students to develop deeper insight into the challenges and opportunities of landscape design.

FORMAT: Lecture| Lab

PREREQUISITE: At least one of PLAN 2002.03, PLAN 2025.03, or PLAN 3025.03

CROSS-LISTING: PLAN 5020.03

PLAN 3025 Representation in Design

CREDIT HOURS: 3

The course explores techniques of representation in community design work. It examines design drawing conventions such as orthography, paraline, and perspective projections. It helps students develop their awareness of design approaches and their skills in design presentation.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 2002.03 or PLAN 2025.03/ARCH 2025.03

CROSS-LISTING: PLAN 5025.03

PLAN 3031 Geology and Land use Planning - Exploring the Connections

CREDIT HOURS: 3

This lecture and seminar course explores the influence of geology in the evolution of human settlements; geological opportunities and constraints to land and community development; the sources and formats of geophysical information available and useful to planners and community designers and how to access and use the information.

FORMAT: Lecture| Seminar

PREREQUISITE: PLAN/GEOG 2001.03 or EARTH 1080.03 and EARTH 1090.03 or 10 credits

PLAN 3040 Reading the Suburbs

CREDIT HOURS: 3

An increasing proportion of Canadians live in the suburbs. This course explores issues related to planning and designing the suburbs, and develops techniques for analyzing and developing community form in the suburban environment.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 2005.03

CROSS-LISTING: PLAN 5040.03

PLAN 3045 Community Design Practice

CREDIT HOURS: 3

Community-building constitutes an important component of the Canadian economy. This course explores the financial, regulatory, social, and ethical issues of development practice. Using a case study approach, it examines examples of community design projects and initiatives in Canadian communities. Students gain insight into the financing, planning, and building of projects from the perspective of the development industry.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PLAN 3001.03 or concurrent

PLAN 3050 Topics in Community Design

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in community design.

FORMAT: Lecture| Seminar

PREREQUISITE: (to be announced for each topic)

CROSS-LISTING: PLAN 5050.03

PLAN 3051 Topics in Community Design 2

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in community design.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 5051.03

PLAN 3052 Topics in Community Design 3

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in community design.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 5052.03

PLAN 3053 Topics in Community Design 4

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in community design.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 5053.03

PLAN 3056 Computers in Community Design

CREDIT HOURS: 3

This course explores the opportunities for using computers in community design and planning. Topics may include graphic presentation, business applications (e.g., spreadsheets, databases), computer assisted design, and three dimensional rendering as used in community design and planning.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 2001.03 or permission of instructor

EXCLUSIONS: PLAN 3055.03

PLAN 3060 Quantitative Methods for Planners

CREDIT HOURS: 3

This course introduces students to quantitative methods, including the use of statistics in planning and community design. It familiarizes students with basic statistical analyses used in the field and helps them develop the ability to evaluate and interpret quantitative data presented by experts.

FORMAT: Lecture| Lab

PREREQUISITE: Grade 12 Math

PLAN 3225 Plants in the Human Landscape

CREDIT HOURS: 3

The course covers use of plants for human recreation and aesthetics; in gardens, public parks, suburban and urban landscapes. Topics include: garden design, choice of plant materials, management and maintenance, edible landscaping, use of horticulture as therapy and plants and human health. Course will involve field trips and group projects. Students will be expected to complete a design project as part of the coursework.

FORMAT: Lecture| Tutorial

PREREQUISITE: BIOL 1010.03 or BIOL 1020.03 (C- or better) and BIOC 1011.03 or BIOC 1021.03 (C- or better) or DISP or PLAN 2001.03

CROSS-LISTING: BIOL 3225.03, ENVS 3225.03

PLAN 4001 Environmental Planning Studio

CREDIT HOURS: 6

This course provides an applied context for analyzing landscape issues and exploring environmental planning options. Students provide a service to the community by working through projects where local community groups or agencies have identified real needs for information and advice.

FORMAT: Studio

PREREQUISITE: PLAN 3001.03 and PLAN 3002.03 and PLAN 3005.03 and PLAN 3006.03 and admission to Honours program; OR admission to graduate program.

PLAN 4002 Urban Design studio

CREDIT HOURS: 6

This studio provides an applied project context for looking at issues related to the design of cities, especially their core areas. Students explore various urban design and planning options. Students provide a service to the local community by working through projects where local community groups or agencies have identified real needs for information and advice.

FORMAT: Studio

PREREQUISITE: PLAN 3001.03 and PLAN 3002.03 and PLAN 3005.03 and PLAN 3006.03 and admission to Honours program; OR admission to graduate program.

PLAN 4035 Application of Planning Law

CREDIT HOURS: 3

This course explores the application of planning law in the field of community design. The course introduces students to the legal processes and statutory requirements for land use planning in Canada, with particular reference to Nova Scotia.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Plan 3001.03 and Plan 3002.03 and Plan 3005.03 and Plan 3006.03, and admission to Honours program; OR admission to graduate program.

PLAN 4050 Thesis Proposal

CREDIT HOURS: 3

Students in the honours programs in Community Design develop a thesis proposal for their honours thesis. The course will review appropriate research methods and guide the students through background research, literature synthesis, methods development and proposal writing.

NOTES: Students must achieve a B or higher for admission from this course into PLAN 4500.06

FORMAT: Lecture| Seminar

PREREQUISITE: PLAN 3001.03 and PLAN 3002.03 and PLAN 3005.03 and PLAN 3006.03 and admission to Honours program; OR admission to graduate program.

PLAN 4100 Community Design Internship

CREDIT HOURS: 3

Students locate a company or organization involved in some element of community design or planning and volunteer for eight hours a week in the office. An internship in a relevant workplace allows students to reflect on the knowledge they can bring to practice. Students will keep a work journal, prepare an internship report, and make a brief presentation on the placement at the end of term. Students will meet with the course coordinator for occasional seminars.

FORMAT: Seminar

PREREQUISITE: PLAN 4001.06 or 4002.06 (limited to Honours BCD students)

PLAN 4101 History and Theory of Urban Design

CREDIT HOURS: 3

The course introduces the history and theory of urban design as a distinct area of professional knowledge and skill within the spectrum of planning and design concerns and specialities.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 6101.03

RESTRICTIONS: Honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

PLAN 4105 Land Development Economics

CREDIT HOURS: 3

This course applies basic techniques for analyzing the financial feasibility of land development projects. Case studies focus particular attention on methods of financing and organizing real-estate development within the planning framework.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 6105.03

RESTRICTIONS: Honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

PLAN 4106 Transportation Planning

CREDIT HOURS: 3

The course considers transportation trends, the transport needs associated with different activities, and the impact of transport facilities on land development to offer a critical analysis of the interplay between land uses and transportation. Technology, the costs of supplying transport facilities and the demand outlook for different modes are examined. The emphasis is on urban transportation, mobility demands and the supply of efficient and environmentally sound transport facilities.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PLAN 2006.03 and PLAN 3002.03 or permission of the instructor.

CROSS-LISTING: PLAN 6106.03

RESTRICTIONS: Honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

PLAN 4108 History and Theory of Landscape Architecture

CREDIT HOURS: 3

This lecture and seminar course deals with changing landscapes and perceptions of the natural world during the past 250 years. It discusses the effects of technology and resource use on the design of landscapes as small as a private garden and as large as a bio-region, and examines the changing role of landscape architects, their writings and their collaboration with architects.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 6108.03

RESTRICTIONS: Honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

PLAN 4120 Citizen Engagement and Consultation

CREDIT HOURS: 3

This course examines the conceptual foundations and practice of citizen participation, especially in the context of planning and development decisions by municipal and provincial governments, and the techniques or methods that can be used to more effectively involve individual citizens and stakeholder groups in community decisions.

FORMAT: Lecture| Seminar

PREREQUISITE: Honours students in the Faculty of Architecture and Planning, or permission of instructor.

CROSS-LISTING: PLAN 6120.03

PLAN 4125 Negotiation and Conflict Management

CREDIT HOURS: 3

This course explores the world of interpersonal communication, conflict and negotiation and the variety of approaches and range of skills needed to solve problems,

reach agreements and maintain relationships. It will enable participants to understand the positive and negative dimensions of conflict, analyze the dynamics of formal and informal negotiations, and interact with others with greater awareness, intention and skill.

FORMAT: Lecture

PREREQUISITE: Honours students in the Faculty of Architecture and Planning, or permission of instructor.

CROSS-LISTING: PLAN 6125.03

PLAN 4131 Planning of Coastal Communities and Regions

CREDIT HOURS: 3

Land use and community planning address coastal protection and land development with planning tools that are integral to coastal zone management. This course explores the theory and application of strategic, spatial and community planning for managing the challenges of environmental change and development pressures in coastal regions and communities.

FORMAT: Lecture| Seminar

PREREQUISITE: PLAN/GEOG 3001.03 or 12.5 credits (75 credit hours) and permission of the instructor

PLAN 4150 Topics in Planning

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in planning in a seminar discussion.

FORMAT: Seminar

PREREQUISITE: PLAN 2006.03, or permission of instructor.

CROSS-LISTING: PLAN 6150.03

RESTRICTIONS: Restricted to honours or graduate students in the Faculty of Architecture and Planning.

PLAN 4151 Topics in Planning II

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in planning in a seminar discussion.

FORMAT: Seminar

PREREQUISITE: Restricted to honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

CROSS-LISTING: PLAN 6151.03

PLAN 4152 Topics in Planning III

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in planning in a seminar discussion.

FORMAT: Seminar

PREREQUISITE: Restricted to honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

CROSS-LISTING: PLAN 6152.03

PLAN 4153 Topics in Planning IV

CREDIT HOURS: 3

This course provides opportunities to examine selected topical issues in planning in a seminar discussion.

FORMAT: Seminar

PREREQUISITE: Restricted to honours or graduate students in the Faculty of Architecture and Planning, or permission of instructor

CROSS-LISTING: PLAN 6153.03

PLAN 4200 Independent Study

CREDIT HOURS: 3

A student in the honours major may undertake an independent reading or research project under faculty supervision. The student will prepare a proposal that must be signed by the project supervisor and the Director of the School. The proposal will set out a work plan and projected outcomes.

PREREQUISITE: permission of instructor and School

PLAN 4500 Thesis Project

CREDIT HOURS: 6

Honours students in their final semester work on advanced design or research projects related to their Major concentration. Students will be organized into advanced teams working relatively independently on coordinated topics. The course uses a project management model which emulates professional practice. Each student prepares an individual thesis project report and presents it orally.

FORMAT: Studio

PREREQUISITE: PLAN 4001.06 or 4002.06 (limited to students in the Major), and PLAN 4050.03 (with a minimum grade of B)

College of Arts and Science

Introduction

The College of Arts and Science, established in 1988, consists of the **Faculty of Arts and Social Sciences** and the **Faculty of Science**. The College of Arts and Science meets to discuss matters of concern common to its units, in particular those relating to academic programs and regulations. The Dean of Arts and Social Sciences and the Dean of Science alternate, year by year, as Provost of the College. The Provost chairs College meetings and prepares the agenda for those meetings. Administrative responsibility for what is decided in College meetings remains in the two Faculties. Undergraduate degrees are offered through one School, eleven Departments and several programs in the Faculty of Arts and Social Sciences, and ten Departments and three programs in the Faculty of Science. There are several interdisciplinary programs of instruction in the College, the responsibility for which is shared among members from different Departments.

The College of Arts and Science is responsible for the curriculum of Bachelor of Arts, Bachelor of Science, and Bachelor of Music degree programs, and for diploma programs in Meteorology and Costume Studies. The College is also responsible for the establishment of academic regulations governing students registered in its programs.

The College of Arts and Science consists of several groups: some 6,100 undergraduate students who typically spend three or four years in the College, nearly 450 full-time teaching and research faculty and staff as well as a number of part-time teachers and teaching assistants, and a support staff of administrative assistants and technicians. The student's academic role is to learn from teachers, from laboratory experience, from books, from other students, and from solitary contemplation. Students learn not only facts but concepts, and what is most important, they learn how to learn.

Through intellectual interaction with other members of the academic community, undergraduate students should gain the background knowledge, the ability and the appetite for independent discovery. Their acquisition of these components of liberal education is marked formally by the award of a Bachelor's degree. The academic faculty has two equally important roles: to teach the facts, concepts, and methods that the student must learn; and to contribute to the advancement of human knowledge through research and through scholarly or artistic activity.

The goal of the Bachelor's degree is to produce educated persons with competence in one or more subjects. Such competence includes not only factual knowledge but, more importantly, the ability to think critically, to interpret evidence, to raise significant questions, and to solve problems. A BA or a BSc degree often plays a second role as a prerequisite to a professional program of study.

BA and BSc degree programs in the College are of three types: the four year or 120 credit hour degree with Honours; the four year or 120 credit hour degree with a Major; and the three year or 90 credit hour degree with a minor.

The College is particularly proud of the Honours programs that it offers in most subjects to able and ambitious students. The BA or BSc with Honours is distinguished from the BA or BSc Major (120 credit hours) or the BA or BSc (90 credit hours) in that a higher standard of performance is expected, a greater degree of concentration of credit hours in one or two subjects is required, and at the conclusion of the program each student must receive a grade which is additional to those for the required 120 credit hours. Frequently, Honours students obtain this grade by successfully completing an original research project under the supervision of a faculty member. Completion of a BA or BSc with Honours is an excellent preparation for graduate study at major universities throughout the world. Dalhousie is distinguished among Canadian universities in offering BA programs with Honours in most subjects in which it also provides BSc Honours programs and in providing BA and BSc degree programs with Combined Honours in an Arts and a Science subject.

Provost of the College

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto) Moore, C. L., BA, PhD (Cantab)

General Degree Requirements

Following is a list of the faculty requirements needed to satisfy degree programs in the College of Arts and Science. Details of these requirements can be found on the pages following these lists. Departmental requirements can be found in the appropriate department/faculty listing in this calendar. Please note that students must satisfy both department and faculty requirements. Before registering for the second year, each student in the College of Arts and Science must declare a subject of concentration and obtain program advice from a faculty advisor in the appropriate department.

Requirements for degree programs other than College of Arts and Science can be found in the appropriate department/school/college/faculty listing.

Subject Groupings

Course offerings within the College of Arts and Science are placed into three subject groupings: (1) Languages and Humanities, (2) Social Sciences and (3) Life and Physical Sciences. All BA and BSc programs must include a minimum of six credit hours from each of the three subject groupings.

1. Languages and Humanities

Arabic, Canadian studies, Chinese (Mandarin), classics, comparative religion, contemporary studies, creative writing, early modern studies, English, European studies, French, gender and women's studies, German, Greek, history, history of science and technology, Italian studies, King's Foundation Year, Latin, music, philosophy, religious studies, Russian, Spanish, theatre and the course "First Year Seminars: Arts and Social Sciences" (ASSC 1200.03).

2. Social Sciences

Canadian studies, contemporary studies, early modern studies, European studies, economics, gender and women's studies, history, history of science and technology, international development studies, King's Foundation Year, political science, psychology, sociology and social anthropology, and sustainability (for BSc only).

3. Life Sciences and Physical Sciences

Biochemistry and molecular biology, biology, chemistry, computer science, earth sciences, economics, engineering, environmental science, human physiology* (for BA only), informatics, marine biology, mathematics, microbiology and immunology, neuroscience, oceanography, physics, psychology, science, statistics, and sustainability (for BA only).

* Offered by the Faculty of Medicine. See section Electives, for limit on courses from other Faculties.

PLEASE NOTE:

1. In cases where a subject is listed in more than one of the groupings, any credit taken in that subject may be used to satisfy only one of the grouping requirements. A second credit in the same subject cannot be used to satisfy another subject grouping requirement. The exceptions are the Dalhousie Integrated Science Program and King's Foundation Year Program. **King's Foundation Year Program** (KING 1000.24, KING 1100.18) satisfies the humanities-language and social science groupings and students must take six credit hours in a single life/physical sciences subject to complete the subject grouping requirements. The **Integrated Science Program** satisfies the life sciences and physical sciences and social sciences subject groupings. Integrated Science students are required to take another three credit hours of Languages and Humanities in addition to PHIL 1050.03 to satisfy the Languages and Humanities requirement.

2. The subject groupings requirement should normally be completed in the first 60 credit hours.

Writing Course Requirements

An approved writing course or set of courses is required for all BA and BSc degrees. Courses and course combinations that can be used to fulfill the writing requirement are listed below. It is recommended that students complete the writing requirement early in their programs, preferably in their first year of studies.

- CLAS 1000X/Y.06
- CLAS 1010X/Y.06
- CLAS 1100X/Y.06
- ENGL 1000X/Y.06
- Any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1045.03, ENGL 1050.03, ENGL 1100.03
- GERM 1020X/Y.06
- GERM 1080.06
- HIST 1005X/Y.06
- HIST 1510.06
- Any two of HIST 1503.03, HIST 1504.03, HIST 1006.03
- HSTC 1800.03 and HSTC 1801.03
- JOUR 1001X/Y.06 *
- Integrated Science Program (SCIE 15XX)
- King's Foundation Year
- OCEA 1000X/Y.06
- PHIL 1010X/Y.06
- POLI 1103X/Y.06
- RELS 1200X/Y.06
- RUSN 1020.03 and RUSN 1070.03
- SCIE 1111.03 (satisfies writing requirement for BSc student only)
- SOSA 1050X/Y.06
- SUST 1000.06
- THEA 1000X/Y.06
- THEA 1300X/Y.06

* Offered by the School of Journalism. See Electives, for limit on courses from other Faculties.

The Writing Course may also be used to satisfy one of the subject groupings.

Mathematics Requirement (Bachelor of Science)

A minimum of six credit hours in mathematics or statistics other than MATH 1001.03, MATH 1002.03, MATH 1003.03, MATH 1110.03, MATH 1120.03 or MATH 1115.03, are required for all BSc programs. A course taken to satisfy the mathematics requirement may not be used to also satisfy the subject groupings requirement.

Students may also satisfy this requirement by passing the test which is administered by the Department of Mathematics and Statistics. Such students must nevertheless complete 90 or 120 credit hours in order to graduate.

Language Course (Bachelor of Arts)

Students should consider becoming fluent in French. BA students are required to obtain six credit hours from the following language courses:

- ARBC 1020X/Y.06 (Arabic)
- CHIN 1030X/Y.06 (Mandarin)
- CHIN 1031.03 and CHIN 1032.03 both must be completed
- CLAS 1700X/Y.06 (Greek), CLAS 1800X/Y.06 (Latin); CLAS 1900X/Y.06 (Hebrew)
- FREN (any course taught in French)
- GERM 1001X/Y.06, GERM 1010X/Y.06, GERM 1060X/Y.06
- ITAL 1010X/Y.06
- RELS 2600.03/CLAS 2600.03 and RELS 1600.03/CLAS 1600.03 both must be completed
- RUSN 1000X/Y.06
- RUSN 1002.03 and RUSN 1003.03 both must be completed
- SPAN 1020X/Y.06

For students with advanced language skills, upper-level language courses may be substituted. Consult the Registrar's Office if you require further information. **A course taken to satisfy this requirement cannot also satisfy the requirement of a course from section I.**

Students may satisfy this requirement by passing one of the tests administered by the language departments. Such students must nevertheless complete 90 or 120 credit hours in order to graduate.

BA students who choose to major in economics, philosophy, political science, psychology or sociology and social anthropology may substitute for a language course at least six credit hours in mathematics or statistics taught by the Department of Mathematics and Statistics, other than MATH 1001.03, MATH 1002.03, MATH 1003.03, MATH 1110.03, MATH 1120.03, or MATH 1115.03, to meet this requirement; or they may meet it by passing the test administered by the Department of Mathematics and Statistics.

A course taken to satisfy this requirement cannot also satisfy the requirement of a course from Life Sciences and Physical Sciences.

Electives

Students may choose electives from any of the courses offered by teaching units within the College of Arts and Science, College of Sustainability, and the Faculty of Computer Science. In addition, without prior permission, electives are permitted as follows provided prerequisites are met and the consent of the instructor(s) is obtained when necessary:

Bachelor of Arts

- 18 credit hours from courses offered in other faculties plus up to 12 credit hours in Commerce

Please note that BA students registered for minors in Business, Law and Society, Health Studies, Community Design, Journalism or other minors approved for students within the College of Arts and Science are permitted to take the courses necessary to satisfy the requirements for the minor. In addition, 12 credit hours from courses offered in other faculties are permitted.

BA/BEng

Students may count as electives a total of 36 engineering credit hours. In addition 12 credit hours from courses offered in other faculties are permitted.

Bachelor of Science

- 18 credit hours from courses offered in other faculties plus up to 12 credit hours in Commerce OR
- 30 credit hours in Engineering or Food Science courses and 18 credit hours from courses offered in other faculties

Please note that BSc students registered for any approved minor are permitted to take the courses necessary to satisfy the requirements for the minor. In addition, 12 credit hours from courses offered in other faculties are permitted.

BSc/BEng

Students may count as electives a total of 36 engineering credit hours and in addition 12 credit hours from courses offered in other faculties.

Any additional elective credit hours outside the College of Arts and Science will require explicit permission, to be obtained by application to the appropriate Dean's Office. Permission to count a requested course for degree credit will only be granted to students who demonstrate clearly, in a written submission, how a desired course will enhance the objectives of the BA or BSc program in progress. In this regard, a written statement of support from an academic advisor in the department of concentration is desirable.

Students seeking to enrol in courses beyond the above provisions as a means of preparing to transfer to a program of study outside the College of Arts and Science will be given approval to do so by the appropriate dean's office if admission to the course(s) has been granted by the instructor(s) concerned. In such cases, however, it will be explicitly stated that the courses will not count for credit towards a BA or BSc degree.

Cross-listed Courses

Please note that cross-listed courses will count as one subject only for the purpose of satisfying degree requirements, e.g. ECON 2260.03 cross-listed with MATH 2060.03 may count either as a mathematics course or economics course but not both.

BA/BSc (120 credit hour) Programs

The 120 credit hour degree is the standard BA or BSc degree. There are a variety of programs within the 120 credit hour degree. Each is designed to develop some level of concentration of knowledge and expertise.

Major Programs

A major program focuses a student's studies, but not to the extent that an honours program does. Unlike the honours degree, the major degree may not be adequate for admission to graduate programs. Students interested in a major program are advised to seek detailed information from the department in which they wish to concentrate their studies.

BA (120 credit hour)

- First Year
 - No more than 18 credit hour equivalents of the first 30 credit hours taken may be in a single subject
- 6 credit hours in an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in one or more life or physical science subjects (see Section 3 of Subject Groupings).
- 6 credit hours in a **single** language subject (see Language Course section)
- A minimum of 30, maximum of 54 credit hours in the major subject beyond the 1000 level, including 18 credit hours beyond the 2000 level.
- Within the last 90 credit hours, complete 6 credit hours in each of two subjects other than the major
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70
- May be combined with minor(s)

Bachelor of Arts major subjects: classics, English, European studies, French, German, gender and women's studies, history, international development studies, music, philosophy, political science, religious studies, Russian studies, sociology and social anthropology, Spanish, theatre, or any of the BSc major subjects.

BSc (120 credit hour)

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- A minimum of 30, maximum of 60 credit hours in the major subject beyond the 1000 level, including 18 credit hours beyond the 2000 level.
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70
- May be combined with minor(s)

Bachelor of Science major subjects: biochemistry and molecular biology, biology, chemistry, earth sciences, economics, environmental science, marine biology, mathematics, microbiology and immunology, neuroscience, ocean sciences, physics, psychology, or statistics.

BSc Major (120 credit hour) Science Co-operative Education

Requirements are as for the major program with the addition of the following:

- A minimum of three co-op work terms

Co-operative Education in Science Programs

The aim of co-op degree programs is to enable students to combine their studies with work experience. The programs are thus year-round, including Summer School, and will normally require from 48 to 52 months for completion. Co-op degree programs conform to the requirements for the major degree.

The following departments currently offer co-op programs: Biochemistry and Molecular Biology, Biology, Chemistry, Earth Sciences, Marine Biology, Microbiology and Immunology, and Physics and Atmospheric Science. For details on these programs, consult the calendar entries for the departments and the Science, Information Technology and Engineering (S.I.T.E.) Cooperative Education section.

Double Major programs

The double major program allows study in two disciplines of equal or comparable interest.

BA Double Major (120 credit hour)

- First Year

No more than 18 credit hour equivalents of the first 30 credit hours taken may be in a single subject

- 6 credit hours in a writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in one or more life or physical science subjects (see Section 3 of Subject Groupings).
- 6 credit hours in a **single** language subject for (see Language Course section)
- A minimum of 60, maximum of 84 credit hours in the major subject beyond the 1000 level are to be in the two allied subjects, with no more than 48 credit hours and no fewer than 30 credit hours in either, including 12 credit hours beyond the 2000 level in each of the two major subjects. The major subject with the most advanced credits appears first on the record.
- Within the last 90 credit hours, complete six credit hours in a single subject other than the two major subjects
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70
- May be combined with minor(s)

Bachelor of Arts Double Major subjects: Choose both subjects from the Bachelor of Arts and Bachelor of Science major subjects, or Computer Science (as a second subject only); or combine one BA major subject with Environment, Sustainability and Society. In addition to the BA major subjects listed in the BA (120 credit hour) section, Canadian studies, music and creative writing are also available as one of the subjects in a double major. European studies is not available in the double major program.

BSc Double Major (120 credit hour)

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- Minimum of 60 and a maximum of 84 credit hours in the two major subjects beyond the 1000 level, with no more than 54 credit hours and no fewer than 30 credit hours in either, including at least 12 credit hours beyond the 2000 level in each of the two major subjects. The major subject with the most advanced credit hours appears first on the record.
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Required GPA for graduation - 2.0
- Graduation with distinction - 3.70
- May be combined with minor(s)

BSc Double Major subjects: Choose both subjects from biochemistry and molecular biology, biology, chemistry, earth sciences, economics, environmental science, marine biology, mathematics, microbiology and immunology, neuroscience, ocean sciences, physics, psychology, or statistics; or combine one of the BSc major subjects with Computer Science or Environment, Sustainability and Society; or, provided the larger number of major credit hours is in a science subject, one of the BA major subjects (except European studies) or Canadian studies, Creative Writing, or Music.

Honours Programs

Honours programs require a higher quality of work than is required by the other undergraduate programs of the college (such as the 90 credit hour degree and 120 credit hour major). Able and ambitious students are urged to enter these programs. There are two types of honours programs in the BA (concentrated and combined) and three types in the BSc (concentrated, combined, and multidisciplinary). Applications for admission to honours programs must be made to the departments concerned on forms available in departments, at the Registrar's Office or online at dal.ca/honours.

Students should apply in their second year. If application is made later, it may be necessary to make up some work not previously taken.

For each individual student the entire honours program, including elective credit hours, is subject to supervision and approval by the department or departments concerned, or in the case of multidisciplinary honours, by an interdisciplinary committee.

NOTE: The last day to apply to an honours program is September 25.

BA Concentrated Honours (120 credit hour)

- First Year No more than 18 credit hour equivalents of the first 30 credit hours taken may be in a single subject
- 6 credit hours in a writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in one or more life or physical science subjects (see Section 3 of Subject Groupings).
- 6 credit hours in a **single** language subject for (see Language Course section)
- A minimum of 54, maximum of 66 credit hours beyond the 1000 level in the honours subject, grade must be "C or better".
- Within the last 90 credit hours, complete 6 credit hours in each of two subjects other than the major
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70
- May be combined with minor(s)
- Honours Qualifying Examination: At the conclusion of an honours program a student's record must show a grade which is additional to the grades for the courses taken to obtain the required 120 credit hours. This grade may be obtained through a comprehensive examination, the presentation of a research paper (which may be an extension of one of the courses), or such other method as may be determined by the committee or department supervising the student's program. The method by which this additional grade is obtained is referred to as the Honours Qualifying Examination. Departments may elect to use a pass-fail grading system for this examination. Unless pass/fail grading is employed, the grade must be "B-" or better for honours, and "A-" or better for first class honours.
- Required standing for graduation: Arts and Social Sciences subjects require a GPA of 2.70 (3.70 for first class) on courses in the honours subject. Science subjects (see below) require a GPA of 3.00 (3.70 for first class) in the honours subject.
- May be combined with minor(s)

Note: If the student has a minor, courses in the honours subject and the minor are included in the GPA.

Bachelor of Arts concentrated honours subjects: classics, English, European studies, French, German, history, international development studies, music, philosophy, political science, religious studies, Russian studies, social anthropology, sociology, Spanish, and theatre or any of the BSc honours subjects.

BSc Concentrated Honours (120 credit hour)

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- Minimum of 54 credit hours with a grade of C or better, maximum of 66 credit hours beyond the 1000-level in the honours subject
- Total credit hours required for degree - 120
- Total credit hours required above 1000 level - 72
- Honours Qualifying Examination: At the conclusion of an honours program a student's record must show a grade which is additional to the grades for the courses taken to obtain the required 120 credit hours. This grade may be obtained through a comprehensive examination, the presentation of a research paper (which may be an extension of one of the courses), or such other method as may be determined by the committee or department supervising the student's program. The method by which this additional grade is obtained is referred to as the Honours Qualifying Examination. Departments may elect to use a pass-fail grading system for this examination. Unless pass/fail grading is employed, the grade must be "B-" or better for honours, and "A-" or better for first class honours.
- Required standing for graduation:
GPA 3.00 (3.70 for first class) on courses in the honours subject.
- May be combined with minor(s)

Bachelor of Science concentrated honours subjects: Biochemistry and Molecular Biology, Biology, Chemistry, Earth Sciences, Economics, Environmental Science, Marine Biology, Mathematics, Microbiology and Immunology, Neuroscience, Ocean Sciences, Physics, Psychology and Statistics.

BA Combined Honours (120 credit hour)

- First Year
No more than 18 credit hour equivalents of the first 30 credit hours taken may be in a single subject
- 6 credit hours in a writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in one or more life or physical science subjects (see Section 3 of Subject Groupings).
- 6 credit hours in a **single** language subject for (see Language Course section)
- Total credit hours required above 1000 level - 72
- Total credit hours required for degree - 120
- Minimum of 66, maximum of 84 credit hours beyond the 1000 level in two allied subjects, not more than 48 credit hours nor fewer than 30 credit hours being in either of them. Grade must be "C" or better, otherwise, course will not count toward degree.
- Within the last 90 credit hours, 12 to 24 - depending on the number selected in the honours subjects - elective credit hours.
- Honours Qualifying Examination: see concentrated honours program above for details.
- Required standing for graduation:
Arts and Social Sciences subjects require a GPA of 2.70 (3.70 for first class) on courses in the honours subjects.
Science subjects (see below) require a GPA of 3.00 (3.70 for first class) in courses in the honours subjects.
- May be combined with minor(s)

Note: If the student has a minor, courses in the honours subjects and the minor are included in the honours GPA.

Bachelor of Arts combined honours subjects: Canadian studies, classics, contemporary studies, creative writing, early modern studies, English, French, gender and women's studies, German, history, history of science and technology, international development studies, Italian studies, music, philosophy, political science, religious studies, Russian studies, social anthropology, sociology, Spanish, theatre and computer science, Environment, Sustainability, and Society or any of the BSc honours subjects.

BSc Combined Honours (120 credit hour)

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- Minimum of 66, maximum of 84 credit hours beyond the 1000 level in two subjects, not more than 54 credit hours nor fewer than 30 credit hours being in either. Grades in honours subject courses must be C or better.
- Total credit hours required above the 1000 level - 72
- Total credit hours required for degree - 120
- Honours Qualifying Examination: see concentrated honours program above for details.

- Required standing for graduation:
GPA of 3.00 (3.70 for first class) on courses in the honours subjects.
- May be combined with minor(s)

Bachelor of Science combined honours subjects: Biochemistry and Molecular Biology, Biology, Chemistry, Earth Sciences, Economics, Environmental Science, Marine Biology, Mathematics, Microbiology and Immunology, Neuroscience, Ocean Sciences, Psychology and Statistics. Choose both subjects from the BSc honours subjects listed above or combine one of the BSc honours subjects with one of the BA combined honours subjects or with Computer Science or Environment, Sustainability and Society provided the larger number of honours credit hours is in a science subject.

BSc Multidisciplinary Honours (120 Credit Hour)

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- A total of 72 credit hours beyond the 1000 level in three or more subjects. A minimum of 18 and a maximum of 30 in each of three subjects. Grades must be "C" or better.
- Total credit hours required for degree - 120
- 18 elective credit hours
- Honours Qualifying Examination: See Concentrated Honours program above for details.
- Required standing for graduation:
GPA of 3.00 (3.70 for First Class) on courses in the honours subjects.
- May be combined with minor(s)

Bachelor of Science multidisciplinary honours subjects - at least 54 credit hours of the 120 selected must be from the following subjects: biochemistry, biology, chemistry, computer science, earth sciences, economics, environmental science, mathematics, microbiology and immunology, neuroscience, physics, psychology and statistics.

BSc Honours Science Co-op (120 Credit Hour)

Requirements are as for appropriate honours program (described above) with the addition of the following:

- A minimum of three co-op work terms

Joint Honours: Dalhousie University - Mount Saint Vincent University

Special arrangements exist under which students may be permitted to pursue an honours program jointly at Dalhousie and Mount Saint Vincent universities. Interested applicants should consult the appropriate department of their own university at the beginning of the second year. Prospective joint honours students must be accepted by the honours departments concerned at both institutions. These departments supervise the entire program of study of accepted applicants. Students should be aware that not all courses available for credit at Mount Saint Vincent University can be given credit at Dalhousie and vice versa. In order for students to gain a joint honours degree they must satisfy all requirements of both institutions.

College of Sustainability Degree Programs

The College of Sustainability offers a Double Major and Combined Honours program with any subject in the College of Arts and Science. For complete details about the College, its programs, major/honours requirements and courses please see the College of Sustainability section of the Calendar.

Minor Programs

Minor programs comprise a minimum of 18 and a maximum of 27 credit hours in a defined subject area, above the 1000 level. Students minoring in a Faculty of Science subject may take up to 36 credit hours in the minor subject. Minors can be added to any 120 credit hour BA or BSc degree. If a minor is added to a double major or a combined honours program, students may find that they need to take more than 120 credit hours to complete all of their degree requirements. For BA students, when a minor subject is taken in conjunction with an honours program, grades in the minor subject must be "C" or better. Please note that a course cannot be used to satisfy both the major or honours subject requirement and the minor requirement.

List of Minors

BA/BSc (90 credit hour) Programs

BA with Minor

- First Year No more than 18 credit hour equivalents of the first 30 credit hours taken may be in a single subject
- 6 credit hours in a writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in one or more life or physical science subjects (see Section 3 of Subject Groupings).
- 6 credit hours in a **single** language subject for (see Language Course section)
- A minimum of 18, maximum of 27 credit hours in the minor subject at the 2000 level or higher.
- Within the last 90 credit hours, complete 6 credit hours in each of two subjects other than the major
- Total credit hours required above 1000 level - 42
- Total credit hours required for degree - 90
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70

Bachelor of Arts minor subjects for the 90 credit hour degree: any of the following approved minors in either the Faculty of Arts and Social Sciences or the Faculty of Science:

- Biology
- Canadian Studies
- Chemistry
- Classics
- Earth Science
- Economics
- English
- French
- Gender and Women's Studies
- German
- History
- International Development Studies
- Mathematics
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Russian Studies
- Sociology and Social Anthropology
- Spanish
- Statistics
- Theatre

BSc with Minor

- an approved writing course
- 6 credit hours in one or more language/humanities subjects (see Section 1 of Subject Groupings).
- 6 credit hours in one or more social science subjects (see Section 2 of Subject Groupings).
- 6 credit hours in math (see Math Requirement).
- Minimum of 18, maximum of 36 credit hours in the minor subject at the 2000 level or higher.
- Total credit hours required above 1000 level - 42
- Total credit hours required for degree - 90
- Required GPA for graduation - 2.00
- Graduation with distinction - 3.70

BSc (90 credit hour) degrees are available with the following Faculty of Science minors:

- Biology
- Chemistry
- Earth Science
- Economics
- Mathematics
- Physics

- Psychology
- Statistics

Upgrading of BA or BSc (90 credit hour) to a BA or BSc Major (120 credit hour)

A person who holds a Dalhousie BA or BSc (90 credit hour) degree may apply through the Registrar's Office for admission to a major program. On completion of the required work with proper standing, a conversion certificate will be awarded which has the effect of upgrading the degree to major status.

Upgrading of a BA or BSc (90 or 120 credit hour) to a BA or BSc Honours (120 credit hour)

A person who holds a Dalhousie BA or BSc (90 or 120 credit hour) degree may apply through the Registrar's Office with the appropriate department advisor(s) approval, to an Honours program. On completion of the required work with proper standing, a certificate will be awarded which has the effect of upgrading the degree to honours status.

Concurrent Programs

BSc/BEng

Students who meet the admission requirements for the Bachelor of Science program and the Bachelor of Engineering program are eligible to select this concurrent degree option. Students wishing specific advice should consult the Assistant Dean, Faculty of Science and the Associate Dean, Faculty of Engineering. Students accepted will normally complete the 90 credit hour BSc and the first two years of engineering studies leading to the Diploma in Engineering (DipEng) concurrently in a period of three calendar years. At the end of the three year period, both the degree and the diploma will be awarded to successful candidates. This opportunity should appeal to students with career objectives in multi-disciplinary fields such as biomedical engineering, environmental science, or materials science (among others). It is thus possible to complete the requirements for the Bachelor of Science and Bachelor of Engineering degrees concurrently in a time period of five years in total (or up to six years for co-op programs).

BA/BEng

Students wishing to do so may complete the 90 credit hour BA degree program and the first two years of engineering studies leading to the Diploma in Engineering (DipEng) concurrently in a period of three calendar years. At the end of the three year period, both the degree and the diploma will be awarded to successful candidates. It is thus possible to complete the requirements for the Bachelor of Engineering and the Bachelor of Arts degrees concurrently in a time period of five years in total (or up to six years for co-op programs).

Students who meet the admission requirements for the Bachelor of Arts and Bachelor of Engineering programs are eligible to select this concurrent degree option. Students wishing specific advice should consult the Associate Dean, Faculty of Engineering and the department for the BA subject of concentration.

Courses in the fourth and fifth years are those required to finish the Bachelor of Engineering degree.

Individual Programs

In cases where students feel their academic needs are not satisfied under the above requirements, individual programs may be submitted to the Student Affairs Committee of the Faculty of Arts and Social Sciences or to the curriculum committee of the Faculty of Science prior to or during the student's second academic year. The Dean shall act as advisor for such students.

Other Degree and Diploma Programs

Bachelor of Music

For the requirements of this degree, see the entry for the Fountain School of Performing Arts.

Diploma in Costume Studies

Study for this credential is entirely within the Fountain School of Performing Arts. See the entry for that department for detailed information.

Diploma in Meteorology

Details of the requirements for this diploma may be found in the entry of the Department of Physics and Atmospheric Science.

Certificate Programs

Certificate Programs

Certificate in Actuarial and Financial Mathematics

Certificate in Animal Behaviour

Certificate in Applied and Computational Mathematics

Certificate in Environmental Impact Assessment

Certificate in Genetics

Certificates for Geoscientists: Geology, Environmental Geoscience

Certificate in Geographic Information Science

Certificate in Information Technology

Certificate in Materials Science

Certificate in Medicinal Chemistry

Certificate in Science Leadership and Communication

Certificate in Intercultural Communication

The Certificate in Intercultural Communication is open to students from any Faculty at Dalhousie, and welcomes both Canadian and International students. It offers the globally-minded student an opportunity to combine academic and experiential learning in order to understand and communicate more effectively with people from cultures different from their own.

Contact Person: Dr. Vincent Simedoh
Location: McCain 3103
Contact information: 902 494-2430 CIC@dal.ca
Website: dal.ca/cic

Academic components (graduate students may receive advance standing for these components)

1. One full academic credit focusing on the understanding of culture, chosen from the list below.
2. Foreign/second language at or beyond the 2000 level or equivalent N.B. This requirement is satisfied:
 - a. by taking foreign/second language courses at Dalhousie at the second-year level
 - b. if the student is a native speaker of a language other than English and studying at Dal
 - c. by non-credit community-based learning of such languages as Mi'kmaq or American Sign Language

N.B. Approval of the advisor is required for those students wishing to satisfy this requirement by options (II) or (III) above.

Extended experiential component

1. Minimum one semester work or study abroad (or at Dalhousie for international students)
OR
2. Minimum (75 hours) volunteering or working in an intercultural context within Canada

N.B. Students may satisfy this requirement by a blending of work/study abroad for less than one full semester and a local volunteer or work placement. Students wishing to satisfy this requirement by a volunteer or work placement, or a blend of study abroad and work/volunteer placement, need the approval of the advisor.

Theoretical and practical understanding of issues in intercultural communication (three credit hours required: ASSC 3150.03).

Courses satisfying the Academic credit for the Certificate in Intercultural Communication (six credit hours, required):

CHIN 3080.03/ENGL 3087.03: Literature of the Asian Diaspora
ENGL 2090.03: Literature, Migration, and Citizenship
ENGL 3070.03: 20th Century African-American Novel
ENGL 3086.03: Post-Colonial Literature
ENGL 3087.03/CHIN 3080.03: Literature of the Asian Diaspora

FREN 2021.03: Langue et culture/Language and Culture (specific topics only; check with CIC advisor)
FREN 3125.03/INTD 3125.03: The Francophone World
FREN 3150.03/INTD 3150.03: Aspects de la francophonie/Aspects of the Francophone World
FREN 3175.03/INTD 3175.03: Topical Issues in Francophonie

GWST 1015.03: Gender and Diversity
GWST 2053.03: Women and Islam
GWST 2800.06/SOSA 2190.06: Comparative Perspectives on Gender

GERM 3400.03: Germany and Europe: The Cultural Union

HIST 2384.03/SPAN 2109.03: Cuba from Colonial Times
HIST 2385.03/SPAN 2110.03: Cuban Cultural Revolution
HIST 2386.03: Colonial Latin America|
HIST 2387.03: Latin America. Since Independence
HIST 2425.03: Africa Before 1900
HIST 2006.03: Atlantic World 1450-1650
HIST 2007.03: Atlantic World 1650-1800
HIST 2426.03: Africa Since 1900
HIST 2500.03: Cultural Introduction to Arab World
HIST 2504.03: A History of the Modern Middle East
HIST 3452.03: South Africa Since 1860
HIST 3471.03: Wars and Revolutions in Twentieth-Century Africa
HIST 4360.03: Slavery & US Political Culture

INTD 2001.03: Introduction to Development I
INTD 2002.03: Introduction to Development II
INTD 2045.03: Indian Society
INTD 2106.03: Africa: An Introduction
INTD 3125.03/FREN 3125.03: The Francophone World
INTD 3150.03/FREN 3150.03: Aspects de la Francophonie/Aspects of the Francophone World
INTD 3175.03/FREN 3175.03: Topical Issues in Francophonie

IPHE 2201.03: Introduction to Aboriginal People's Health and Healing

PHIL 2475.03: Justice in Global Perspective

POLI 3315.03: African Politics
POLI 3320.03: European Politics
POLI 3360.03: Politics in Latin America

NURS 2080.03: Social and Cultural Determinants of Health

SLWK 3220.03: Cross-Cultural Issues and Social Work Practice
SLWK 3160.03: Social Work with Aboriginal Populations
SLWK 3245.03: Queer Centred Social Work Practice
SLWK 3110.03: Africentric Perspectives in Social Work
SLWK 3120.03: International Social Work

SOSA 1000.06: Culture and Society
SOSA 1002.03: People and Culture
SOSA 1003.03: People and Society
SOSA 1050.06: Explorations in Culture and Society
SOSA 1100.06: Introduction to Anthropology
SOSA 2001.06: Ethnography in a Global Context
SOSA 2190.06/GWST 2800.06: Comparative Perspectives on Gender
SOSA 2200.06: The Family in Comparative Perspective
SOSA 2291.06: Goblins, Ghosts, Gods, Gurus
SOSA 2400.06: Health and Illness Across Cultures

SOSA 2401.06: Food and Eating Across Cultures
SOSA 3014.03: Rethinking Culture and Class
SOSA 3091.03: The Sociology of Culture
SOSA 3149.03: Childhood in Cross-Cultural Perspective
SOSA 3206.03: Ethnicity, Nationalism and Race
SOSA 3225.03: Culture, Rights and Power
SOSA 3228.03: Belief Systems: Symbol, Myth and Meaning
SOSA 3165.03: People and Cultures of the World: Selected Area Studies
SOSA 3168.03: Issues in Latin American Society
SOSA 3310.03: Indian Society: Change and Continuity
SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
SOSA 3002.03: Native Peoples of Canada

SPAN 2069.03: Mexico/Central America to 1979
SPAN 2070.03: Area Studies on Mexico/Central America
SPAN 2090.03: Introduction to Hispanic Literature
SPAN 2109.03/HIST 2384.03: Cuba from Colonial Times to 1961
SPAN 2150.03: Hispanic Identities through Film
SPAN 2110.03/HIST 2385.03: Cuba in Revolution, 1961-the Present
SPAN 2200.03: Latin America: From the Maya to the 21st Century
SPAN 3215.03: Seminar in Spanish American Women Writers
SPAN 3510.03: Contemporary Spanish American Literature
SPAN 3515.03: Introduction to Latin American Literature

Faculty of Arts and Social Sciences

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 3030

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-1440

Fax: (902) 494-1957

Website: www.arts.dal.ca

Email Address: fass@dal.ca

Introduction

The Faculty of Arts and Social Sciences includes humanities, social sciences, languages, and performing arts. Within the Faculty's departments and interdisciplinary programs, you can get involved in music and theatre at a professional level. Or you can find out how to do social surveys or archival research. Try out your language-learning abilities in French, German, Spanish, Italian, Russian, Arabic, Mandarin, or maybe Hebrew, Latin, or Greek. Study abroad for a term or a year, and you will develop your skills in cross-cultural interaction. Sharpen your reasoning powers and writing skills by taking literature and philosophy courses that teach advanced levels of reading and analysis.

By exploring various academic disciplines, you'll find that your curiosity about the world and your hopes of a career can be fulfilled in many different ways. You may find that a particular discipline exactly suits your needs. Or you may want to design a course of studies that engages you in a wider variety of departments and programs. You may find everything you need within the disciplines grouped in this Faculty. Or perhaps you will seek out the programs that combine this Faculty's offerings with ones from other Faculties. Professors and administrators, advisors and instructors, will all help to guide you as you choose courses and programs. Our goal is to help you to see differently, and to see your way to a bright future!

Departments, Schools and Programs of the Faculty of Arts and Social Sciences

Departments and Programs

Arabic
Canadian Studies
Chinese (Mandarin)
Classics
Contemporary Studies
Costume Studies, Fountain School of Performing Arts
Creative Writing
Early Modern Studies
English
Environment, Sustainability, and Society
European Studies
Film Studies, Fountain School of Performing Arts
French
Gender and Women's Studies
German
History
History of Science and Technology
International Development Studies
Italian Studies
Journalism Studies
Music, Fountain School of Performing Arts
Philosophy
Political Science
Religious Studies
Russian Studies
Sociology and Social Anthropology
Spanish and Latin American Studies
Theatre, Fountain School of Performing Arts

Interdisciplinary Minors based in the Faculty of Arts and Social Sciences

American Studies
Film Studies
Health Studies
Indigenous Studies
Latin American Studies
Law and Society
Medieval Studies
Middle East Studies
Popular Culture Studies
Security Studies

Minors based in other Faculties open to students registered in the Faculty of Arts and Social Sciences

Business
Cognitive Science (Philosophy)
Community Design
Computer Science
Geography
Informatics

See the list of all minors in the College of Arts and Science

Staff

Dean

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Faculty and Alumni Communications Officer

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Secretary

Corke, S. J., BA, MA (Guelph), PhD (UNB)
Telephone: (902) 494-2099

Administrator

Nielsen, S., BBA (MSVU), MBA (Dalhousie)
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Arabic

Location:
Building/Room: Marion McCain Arts and Social Sciences Building
Street Address 1: 6135 University Avenue, Room 1172
Street Address 2: Department of Classics
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-3468
Fax: (902) 494-2467
Website: www.dal.ca/classics
Email Address: claswww@dal.ca

Courses in Arabic are administered by the Classics Department.

Minor in Arabic Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours at the 2000 level or above to a maximum of 27 credit hours from the following list:

Required:

- ARBC 2020.06

And 12 credit hours selected from the following:

- ARBC 2100.03 Cultural Introduction to the Arab World
- ARBC 3030.03 Advanced Arabic I
- ARBC 3031.03 Advanced Arabic II
- ARBC 3040.03 Arabic Philosophical Texts: al-Ghazali or RELS 4010.03 Islamic Philosophy: al-Ghazali
- ARBC 3050.03 Arabic Philosophical Texts: Maimonides or RELS 4011.03 Jewish Philosophy: Maimonides
- ARBC 3100.03 Arabic Pre-Islamic Poetry
- CLAS 2281.03 Christian Beginnings: The Orthodox and Oriental Churches
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- RELS 2003.03 Islam
- RELS 3003.03 Islam and the Others
- RELS 3009.03 Christianity in the Lands of Islam
- RELS 3012.03 Mystics of the Middle East
- RELS 4018.03 Christian Theology in Islamic Lands: John of Damascus

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Please note: Students wishing to take ARBC 1020X/Y.06 must take the Arabic Placement Test (APT). This test is administered by the instructor at the beginning of the regular academic session.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ARBC 1020X/Y Introduction to Arabic

CREDIT HOURS: 6

Introduction to Arabic is a course which focuses on the acquisition of the elementary foundation in Arabic language. It also offers basic information regarding the Arab world: ancient and modern culture and civilization, daily life, religions, literature, etc. The variety of Arabic offered by this course is *Modern Standard Arabic*, which represents the Arabic language nowadays used in all Arab countries in formal communication. *Modern Standard Arabic* is used in *writing*, but it is also a *spoken* language used in many formal situations. This course aims to cover: writing with Arabic characters, reading simple original texts in Arabic, the basic components of Arabic grammar and basic daily vocabulary. Some elements of spoken Arabic varieties (dialects) may be offered as well in the second term.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term. This course fulfils the BA language requirement.

FORMAT: Lecture

EXCLUSIONS: ASSC 1020X/Y.06

ARBC 2020X/Y Intermediate Arabic

CREDIT HOURS: 6

This course aims at consolidating the grammar and vocabulary acquired at the first level (Introduction to Arabic), and to improve reading and correct use of the syntactical structures in both oral and written communication. The course will also provide the student with the foundation necessary for reading standard forms of Arabic prose (especially newspapers) and for using Modern Standard Arabic in conversation. Written and oral translations from Arabic into English and vice-versa will be frequently proposed to the students in order to attain this purpose.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: ARBC 1020.06, or permission of the instructor

EXCLUSIONS: ASSC 2020.06

ARBC 2100 A Cultural Introduction to the Arab World

CREDIT HOURS: 3

This course, offered in English, aims at providing students with the basic tools for approaching the Arab world from a cultural perspective. It offers an overview of the Arabic Islamic and Christian cultural heritage from the Classical ages through the modern and contemporary periods, with accent on literature, myths, mentalities, arts, youth and popular culture, etc.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 2052.03, HIST 2500.03

ARBC 3030 Advanced Arabic I

CREDIT HOURS: 3

This course is a continuation of Intermediate Arabic (ARBC 2020). The course is designed to: (1) consolidate the knowledge acquired in Modern Standard Arabic at the previous level(s); cursively reading texts without vocalization, acquiring more complex notions of grammar and vocabulary, translating from Arabic into English; and (2) add new morphological forms (especially verbal and nominal derived forms, passive of verbs, irregular forms, etc.) and more complex syntactical structures, extended vocabulary, developed conversation abilities, translation from English into Arabic and composition skills.

FORMAT: Lecture

PREREQUISITE: ARBC 2020 or permission of the instructor

ARBC 3031 Advanced Arabic II: Literary Readings

CREDIT HOURS: 3

This course is given in Arabic for native speakers of Arabic and non-native students with a high command of Modern Standard Arabic. It is primarily designed to develop, at a high level, the students' command of Modern Standard Arabic through the reading and discussion of selected texts of Classical and modern Arabic literature (poetry and prose). The texts offer access to the highest linguistic level in Arabic, to elaborated syntactic structures and semantic issues, as well as to a rich and nuanced vocabulary.

FORMAT: Lecture

PREREQUISITE: ARBC 3030 or permission of the instructor.

ARBC 3040 Arabic Philosophical Texts: al-Ghazali

CREDIT HOURS: 3

Abu Hamid al-Ghazali (1058-1111) is one of the greatest Muslim thinkers of all time. This course is an introduction to his thought, based on a selection of passages in the original Arabic for advanced students of Arabic.

FORMAT: Lecture| Seminar

PREREQUISITE: ARBC 3030, and an introductory level course in Classics or Religious Studies, or permission of the instructor

ARBC 3050 Arabic Philosophical Texts: Maimonides

CREDIT HOURS: 3

Moses Maimonides (1135-1204) is one of the greatest Jewish thinkers of all time. Though he wrote some of his legal works in Hebrew, his major philosophical works were written in Arabic. This course is an introduction to his thought, based on a selection of passages from his *The Guide of the Perplexed* and other works in the original Arabic for advanced students of Arabic.

FORMAT: Lecture| Seminar

PREREQUISITE: ARBC 3030, and introductory level course in Classics or Religious Studies, or permission of the instructor

EXCLUSIONS: RELS 4011.03; CLAS 4011.03

ARBC 3100 Arabic Pre-Islamic Poetry

CREDIT HOURS: 3

This course offers an overview of the best pieces of the earliest poetry composed in Arabic language, in the Arabian Peninsula, within a period which preceded Islam. It focuses on the so-called "Suspended Poems" (Al-Mu'allaqat), considered as the master-pieces of seven (or ten, according to different sources) Arabian poets such as Imru'al-Qays, Tarafa, Antara, Zuhayr, etc.

NOTES: This course will be offered in English and is based on English translations of the poems. The course does not require previous notions or knowledge of the Arabic language. The required bibliography will be in English as well.

FORMAT: Lecture| Seminar

CROSS-LISTING: CLAS 3100

RESTRICTIONS: Students must be beyond the first year of study.

Arts and Social Sciences

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ASSC 1000 Introduction to Computing for Non-Majors

CREDIT HOURS: 3

This is a course of technical computer literacy. Students can expect to learn about computers in a general way and how computers affect the way we live and work. Students will be given an opportunity to become familiar with typical applications of software such as word processors, spreadsheets and database applications. Other topics will include the use of the internet, creation of web pages, and simple programming concepts. No previous computer experience is required. This course is open to Arts and Social Sciences and Health Education students only.

NOTES: This course cannot be taken by BMgmt and BScRBM students. This course cannot be counted towards the Bachelor of Commerce or a Minor in Business

FORMAT: Lecture| Lab

CROSS-LISTING: CSCI 1200.03

EXCLUSIONS: COMP 1000.03, MGMT 1601.03, LIBS 1601.03, COMM 1501.03

ASSC 1040 Culture, Society & International Students

CREDIT HOURS: 3

This course is designed for international students. It aims to discuss the basic elements of culture and society relative to the challenges of academic integration in a Canadian university. Students will reflect on various cultural contexts through a series of learning activities organized around two salient issues confronting international students: a.) the internationalization of Canadian education; and b.) the problems and prospects of immigrating to Canada. It will highlight cultural forms such as art, music & dance, literature, sports & film; and succinct discussions of major social institutions like the family, education, religion and state. This aims to enable students to examine critically the similarities and differences across societies and cultures where they face the challenges of social and academic adjustment to a successful learning experience.

FORMAT: Lecture| Tutorial| Discussion

ASSC 1050 Foundations for Learning

CREDIT HOURS: 3

This course introduces participants to university culture and helps them to enhance academic performance. Course experiences build a practical understanding of the learning process at the university level, enabling students to develop strategies to be more effective learners. Topics include performance expectations, conventions of academic critical reading and writing, research methods, discipline-specific learning strategies, knowledge management, learning communities, self-evaluation methods, and effective use of university resources.

FORMAT: Lecture| Seminar

PREREQUISITE: Faculty of Arts and Social Sciences students with 30 credit hours or less; and permission of Assistant Dean (Student Matters).

ASSC 1200 First-Year Seminar: Arts & Social Sciences

CREDIT HOURS: 3

The First-Year Seminar is a three-credit Humanities elective for first-year students, entering from high school. Topics vary; the seminar offers students a chance to explore a particular theme in a small-group format. The small class size provides students with opportunities to develop study, research and information literacy skills under a faculty mentor, and to develop project-based peer and group relationships. Registration is on a first-come, first-served basis and space is limited.

NOTES: Students may only receive credit for one First-Year Seminar course.

FORMAT: Seminar

ASSC 3112X/Y Writing Theory

CREDIT HOURS: 3

This course considers a range of approaches to writing. Students read widely in rhetoric and composition theory, participate in the ongoing conversation about writing, and heighten their understanding of the composition process. Writing intensive and writing centred, the course is ideal for anyone interested in writing and critical thinking.

FORMAT: Lecture| Discussion

PREREQUISITE: Instructor's permission required

CROSS-LISTING: ENGL 3112.03

EXCLUSIONS: ASSC 3110.06XY/ENGL 3111.06XY

ASSC 3113 Writing Practice

CREDIT HOURS: 3

This course puts writing theory into practice. As part of their course work, students gain valuable experience working as writing tutors and/or assistant editors for an academic journal. The course is ideal preparation for careers in teaching or publishing, as well as for students going on to do graduate work.

PREREQUISITE: ASSC 3112.03 / ENGL 3112.03 or ENGL 2202.03 or instructor's permission

CROSS-LISTING: ENGL 3113.03

EXCLUSIONS: ASSC 3110.06X/Y / ENGL 3111.06X/Y

ASSC 3150 Intercultural Communication

CREDIT HOURS: 3

In this highly interactive course, students will study and apply key concepts of intercultural communication with the goal of developing an empathic understanding of other cultures and an ability to communicate effectively across cultures. Topics include: Awareness of one's own culture (values, norms) and of variations within it; verbal and nonverbal elements of communication, hierarchy ("power distance"), collectivism vs individualism, direct/indirect communication styles, conflict management styles. This course is required for students completing the Certificate in Intercultural Communication.

FORMAT: Lecture| Discussion

PREREQUISITE: Open to undergraduate students with at least 45 credit hours, or to any graduate student

ASSC 3311 Interdisciplinary Special Topics I

CREDIT HOURS: 3

This is an interdisciplinary course that investigates a subject in the arts or social science which does not emerge from a particular discipline. The topic will be announced in the year prior to the course being offered.

FORMAT: Lecture| Seminar

PREREQUISITE: At least two courses at the 2000 level in an arts or social science subject

ASSC 3312 Interdisciplinary Special Topics II

CREDIT HOURS: 3

This is an interdisciplinary course that investigates a subject in the arts or social science which does not emerge from a particular discipline. The topic will be announced in the year prior to the course being offered.

FORMAT: Lecture| Seminar

PREREQUISITE: At least two Classes at the 2000 level in an arts or social sciences subject

ASSC 4010X/Y Teaching English as a Second Language

CREDIT HOURS: 6

Students must obtain a Letter of Permission from Dalhousie University to take this course. Students must then apply, register and pay fees for this course at the International Language Institute. In cooperation with the Royal Society of Arts (RSA), the University of Cambridge Local Examinations Syndicate (UCLES), and the International Language Institute (ILI), Dalhousie offers an intensive course leading to a Certificate of English Teaching to Adults (CELTA). The syllabus covers six major areas: (1) language awareness, (2) the learner, the teacher, and the teaching/learning context, (3) planning, (4) classroom management and teaching skills, (5) resources and materials, (6) professional development. The teacher-in-training conducts classes with actual adult learners. Critical feedback is provided on teaching practice, written assignments and evidence of professional development through the class.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. A certificate (CELTA) will be awarded when both terms are completed successfully.

FORMAT: Lab| Tutorial

PREREQUISITE: Must be in good standing as third or fourth year university student

ASSC 4020X/Y Editing and Publishing

CREDIT HOURS: 6

This seminar will introduce students to theories and practices of editing and publishing in both print and digital media. As participants in this experiential-learning seminar, students will accumulate specific skills and develop a portfolio relevant to working in the field of academic publishing. By providing practical experience with print and web-based publishing projects, the seminar will allow students to work in collaboration with the professor on the production of edited texts.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Seminar participants must have already completed 60 university credits or the equivalent of 10 full courses.

ASSC 4311 Interdisciplinary Special Topics III

CREDIT HOURS: 3

This is an interdisciplinary course that investigates a subject in the arts or social science which does not emerge from a particular discipline. The topic will be announced in the year prior to the course being offered.

FORMAT: Lecture| Seminar

PREREQUISITE: At least two courses at the 2000 level in an arts or social sciences subject

Canadian Studies

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 3060

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3679

Fax: (902) 494-2719

Website: www.dal.ca/cana

Email Address: cana@dal.ca

Introduction

Why Canadian Studies at Dalhousie? In this era of globalized exchange, and growing international citizenship and responsibilities, Canadian Studies programs are enjoying something of a renaissance. Knowing ourselves and understanding our place in the world as Canadians remains an urgent task for students and scholars alike.

Canadian Studies at Dalhousie University has always been based upon a very strong tradition of research and teaching in a wide range of Faculty of Arts and Social Science and Faculty of Science departments and in other associated faculties and professional schools such as Health Professions, Law, and the King's School of Journalism. The Dalhousie Canadian Studies Program, with its various options, allows students to deepen their understanding of Canada in an exciting and coherent interdisciplinary context. As a second field of study leading to a Minor, a Double Major or a Combined Honours BA or BSc, it provides the opportunity to enrich and enhance a student's work on Canadian topics beyond his or her primary departmental home. To this end, Canadian Studies provides both a group of core courses that study Canada from an interdisciplinary perspective, and a long list of electives cross-listed in other departments throughout the University.

Former students of Canadian Studies have found that this interdisciplinary study has been of benefit to them in a wide range of activities and careers including journalism, public service, teaching at all levels, and graduate and professional studies.

Requirements

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section of this calendar

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Coordinator

Please refer to Website for current Coordinator

Faculty

Barker, R. (Theatre)

Bannister, J. (History)

Blais, J. (Music)
Black, D. (Political Science)
Bleasdale, R. (History)
Carbert, L. (Political Science)
Dawson, C. (English)
Elson, C. (French)
Good, K. (Political Science)
Jeffers, C. (Philosophy)
Kierans, K. (University of King's College/Journalism)
Mannell, S. (Architecture)
Masse, V. (French)
Oore, I. (French)
Radice, M. (SOSA)
Ramos, H. (SOSA)
Summerby-Murray, R. (History)
Tillotson, S. (History)
Turnbull, L. (Political Science)

BA or BSc (120 credit hour) Double Major in Canadian Studies

1000 level

Six credit hours in French (a course in an aboriginal language may be substituted, as a transfer credit).

2000 - 4000 level

A minimum of 30 and a maximum of 48 credit hours of Canadian Studies courses, for a total of a minimum of 60 and a maximum of 84 credit hours in the two major subjects.

Required:

- CANA 2000X/Y.06: The Idea of Canada: An Introduction.
- CANA 3000.03: Interdisciplinary Approaches to Canadian Themes
- CANA 4000.03: Canadian Studies Senior Seminar
- Further Canadian Studies electives as required. CANA 4001.03: Research Topics in Canadian Studies may count toward this requirement.

BA or BSc (120 credit hour) Combined Honours in Canadian Studies

1000 level

Six credit hours in French (a course in an aboriginal language may be substituted, as a transfer credit).

2000 - 4000 level

A minimum of 30 and a maximum of 48 credit hours of Canadian Studies courses, with a minimum of 66 and a maximum of 84 credit hours beyond the 1000-level in the two honours subjects.

Required:

- CANA 2000X/Y.06: The Idea of Canada: An Introduction.
- CANA 3000.03: Interdisciplinary Approaches to Canadian Themes
- CANA 4000.03: Canadian Studies Senior Seminar
- CANA 4001.03: Research Topics in Canadian Studies
- Further Canadian Studies electives as required.

BA (90 credit hour) Minor in Canadian Studies

See the Minors section of this calendar.

Minor in Canadian Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Canadian Studies is also available.

Required:

1000 level

- Six credit hours in French (a course in an aboriginal language may be substituted, as a transfer credit).
- CANA 2000X/Y.06: The Idea of Canada: An Introduction
- A minimum of 15 and a maximum of 21 credit hours from the list of electives. CANA 3000.03 and CANA 4000.03 may count towards this requirement.

In addition to the courses listed below, appropriate courses in other departments may be taken as Canadian Studies credits, with the permission of the instructor concerned and the coordinator.

- CANA 1102.03: Halifax and the World: Part One.
- CANA 1103.03: Halifax in the World: Part Two.
- CANA 2004.03: Canadian Literature.
- CANA 2021.03: CANA 2022.03: Language and Culture.
- CANA 2050.03: Historical Issues in Indigenous Studies.
- CANA 2051.03: Contemporary Issues in Indigenous Studies.
- CANA 2110X/Y.06: Exploring Canadian Society.
- CANA 2111.03: Is there an Atlantic Canada?
- CANA 2115.03: African Canadian Society, Culture, and Resistance.
- CANA 2203.03: Approches du texte littéraire/ Approaches to Literary Texts.
- CANA 2207.03: Canada's Origins to 1763.
- CANA 2208.03: Patriots, Rebels, Refugees: Canada's roots in the Age of Revolution, 1763 to 1860.
- CANA 2209.03: Making a Nation: Canada, 1860-1929.
- CANA 2210.03: Many Canadas: Canada, 1930 to the present.
- CANA 2211.03: Social History of Canada before 1870.
- CANA 2212.03: Social History of Canada since 1870.
- CANA 2218.03: The Canadian Economy in the New Millennium: Economic Policy Debates.
- CANA 2231.03: The Making of Modern Canada: Canadian Political History, 1896 to the Present.
- CANA 2233.03: Canadian Economic Hist. I
- CANA 2235.03: History of Canadian Culture
- CANA 2250.03: History of the Canadian West
- CANA 2271.03: Atlantic Canada to Confederation
- CANA 2272.03: Atlantic Canada since Confederation: Regionalism, Identity, and Development, 1867-2000
- CANA 2410.03: Environmental Issues in Earth Sciences
- CANA 3008.03: Canadian Society and Politics.
- CANA 3009.03: Public Opinion in Canada.
- CANA 3020.03: Canadian Cultural Landscapes.
- CANA 3026.03: Le français québécois/ Quebec French.
- CANA 3107X/Y.06: Experiential Learning: Canada.
- CANA 3185.03: Issues in the Study of Indigenous Peoples of North America.
- CANA 3220.03: Coastal Communities in the North Atlantic.
- CANA 3223.03: The Caring Society? - Welfare in Canada since 1900.
- CANA 3231.03: Modern Canadian Literature.
- CANA 3245.03: French Canada.
- CANA 3270.03: Contemporary Canadian Literature.
- CANA 3333.03: News Media and the Courts in Canada.
- CANA 3568.03: Canada and the World.
- CANA 3900.03: CANA 3901.03: La littérature canadienne française/French-Canadian Literature.
- CANA 3910.03: Études acadiennes/Acadian Studies.
- CANA 4300.03: Canadian Healthcare Delivery System.
- CANA 4362.03: Topics in Canadian Music
- CANA 4500.03: Canadian Theatre to 1968: Performing the Nation.

- CANA 4501.03: Canadian Theatre Since 1968: Interrogating Identities.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

CANA 1102 Halifax and the World: Part I

CREDIT HOURS: 3

This course offers an introduction to both International Development Studies and Canadian Studies by exploring the connections between important global issues and your daily life as a student in Halifax. As you walk across the Dalhousie campus and go about daily life in Halifax, your actions connect you to people around the globe and to the history of the city and world as well as to the many works of literature, art and music that depict these connections. Here are just a few examples of connections that we will explore in Halifax and the World: Part I (INTD / CANA 1102.03): • Walking across the Dalhousie campus you are traversing what remains unceded Mi'kmaq territory raising hard questions about relations between Settler and First Nations Peoples. • While walking downtown on a Friday night you might tread in the footsteps of the central characters in Hugh MacLennan's novel *Barometer Rising* and other major works of Canadian fiction. • As you walk through the city you'll see monuments and statues that commemorate the city's early colonial leaders – which raise questions about how we chose to remember history of the city and its connections to the world. The course will critically examine the connections between daily life in Halifax and broader issues of colonialism, race and class relations, historical memory, ethics and justice through a combination of lectures, guest speakers, discussion groups, field trips, experiential learning in the city of Halifax. Assignments include written reflections on specific sites in Halifax which students are expected to visit and explore, a public engagement project, and a series of quizzes (there is no final exam).

CROSS-LISTING: INTD 1102.03

EXCLUSIONS: INTD 1100, INTD 1101

CANA 1103 Halifax and the World: Part II

CREDIT HOURS: 3

This course builds on INTD/CANA 1102.03 (Halifax and the World: Part I) with a continued focus on the connections between important global issues and your daily life as a student in Halifax. The course will focus on connections between life in Halifax and global development issues in other parts of the world. In particular, the course will highlight the 'commodity chains' that connect our daily consumption decisions to other people around the world who are involved in the life cycle of those commodities – from their production through to their disposal. The course will also specifically address the ethical questions and challenges that emerge from these connections and the practical ways in which we might respond to those questions. As in the first semester, the course will a combination of lectures, guest speakers, discussion groups, field trips, and experiential learning in the city of Halifax. The assignments will include written reflections on specific sites in Halifax which students are expected to visit and explore, a public engagement project, and a series of quizzes (there is no final exam).

PREREQUISITE: INTD 1102 or instructor's permission

CROSS-LISTING: INTD 1103.03

EXCLUSIONS: INTD 1100, INTD 1101

CANA 2000X/Y The Idea of Canada: An Introduction

CREDIT HOURS: 3

This course employs an interdisciplinary approach to focus on selected themes in Canadian history and society. Beginning with the premise that a nation is fundamentally a "narration," it asks: What sorts of stories do Canadians tell about themselves? Thus the course is centered on important texts - novels, poems, films, songs, and political documents - that relate formative events in Canadian history and that point to new, sometimes contested, directions for the future. Themes may include, but are not restricted to: First Nation's history and culture; multiculturalism; wilderness; the north; regional identity; and foreign policy

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

CANA 2004 Canadian Literature

CREDIT HOURS: 3

From early exploration narratives to contemporary fiction, this course will survey a wide range of key texts in the development of Canadian literature in English. It will consider the literary and historical contexts that inform our readings, and identify and interrogate the various myths, images, icons and institutions that structure our ideas of what it means to be Canadian.

PREREQUISITE: ENGL 1000.06 or any two of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03 or THEA 1000.06 or Kings FYP

CROSS-LISTING: ENGL 2004.03

EXCLUSIONS: ENGL 2207.03

CANA 2021 Language and Culture

CREDIT HOURS: 3

Normally follows FREN 1045X/Y.06 or 1050X/Y.06, and is taken in the second year of study. This course provides the opportunity to practice and improve language skills (vocabulary and grammar) already acquired. Each year sections offer topics from the options listed below. Each section focuses upon a broad cultural topic via which language skills are developed. No prior knowledge of the topic is supposed. Various readings lead to discussions and oral presentations. Descriptions for sections offered in a specific year may be obtained in April from the Department. All courses and assignments are entirely in French. A maximum of two sections may be taken under the course designation of FREN 2021.03 and 2022.03.

PREREQUISITE: FREN 1045X/Y.06 or 1050X/Y.06, or 2000-level Placement Test result, or instructor's permission

CROSS-LISTING: FREN 2021.03

CANA 2022 Language and Culture

CREDIT HOURS: 3

Normally follows FREN 1045X/Y.06 or FREN 1050X/Y.06. This course provides the opportunity to practise and improve language skills (vocabulary and grammar) already acquired. Each year sections offer topics from the options listed under FREN 2021.03. Each section focuses upon a broad cultural topic via which language skills are developed. No prior knowledge of the topic is supposed. Various readings lead to discussions and oral presentations. Descriptions for sections offered in a specific year may be obtained in April from the Department. All courses and assignments are entirely in French. A maximum of two sections may be taken under the course designation of FREN 2021.03 and FREN 2022.03. For possible topics, see FREN 2021.03. Approved in part with Canadian Studies (topic 7), Film Studies (topic 13) and IDS (topic 3).

CROSS-LISTING: FREN 2022.03

CANA 2050 Historical Issues in Indigenous Studies

CREDIT HOURS: 3

This course is an interdisciplinary introduction to the history of encounters and relationships between indigenous peoples and European settlers in Canada. Topics may include treatise, colonial policy, residential schools, child welfare, resettlement, and the Indian Act. This course provides the necessary background to understand contemporary Indigenous issues.

CROSS-LISTING: HIST 2205.03

CANA 2051 Contemporary Issues in Indigenous Studies

CREDIT HOURS: 3

This course offers an interdisciplinary introduction to contemporary challenges faced by Indigenous peoples in Canada. Topics may include language and culture, land rights, economics, governance and treaty relationships, child welfare and education, health, social services, environmental issues, violence, criminal justice and self-determination, political mobilization and resistance, and decolonization.

FORMAT: Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CANA 2050.03 or HIST 2050.03

CANA 2110X/Y Exploring Canadian Society

CREDIT HOURS: 6

This is a course about the nature of Canadian society and how it came to be what it is. It explores the basis for several of the major agreements and conflicts among Canadians which have been central to our social and economic development since we became a nation. The themes for lectures will include: dilemmas in Canada's relationship with the United States; prospects for the future of English-French relations; centralization, disadvantage and the disunity; the role of the elites in social and economic development; understanding changes in the political power of Western Canada; aboriginal and nonaboriginal values versus claims and counter claims. These topics will be introduced in an approach which is designed to help students understand why sources of unity and disunity have been central to social life in Canada.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: SOSA 1100X/Y.06, SOSA 1050Z/Y.06, SOSA 1100X/Y.06 SOSA 1200X/Y. POLI 2210 recommended.

CROSS-LISTING: SOSA 2110.06

CANA 2111 Is there an Atlantic Canada?

CREDIT HOURS: 3

This course will examine the historical and contemporary social issues related to the Maritimes and Atlantic Provinces. The course will critically question what is meant by "Atlantic Canada" and look at its social, demographic, economic, and cultural trends in relation to the rest of the country. Attention will be given to the role of Acadians, Mi'kmaq, and African Nova Scotians as well as dominant powerholders in the construction of Atlantic Canada.

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06, or 1200X/Y.06

CROSS-LISTING: SOSA 2111.03

CANA 2115 African Canadian Society, Culture, and Resistance

CREDIT HOURS: 3

There has been a presence of African peoples in Canada for over 400 years; however, the rich histories of African-Canadian people have been often ignored. This course examines African Canadian society and culture from the historical to contemporary period. Topics will include historical analyses, slavery, patterns of immigration and settlement, family, continental African and diasporic connections, identity, arts and culture, education, employment, justice and the law, the media, diasporic debates, Black struggles and resistance, and African Canadian achievements. The course will be taught from a critical race and gender perspective, and will include readings about the diverse Black communities across Canada. There has been a presence of African peoples in Canada for over 400 years; however, the rich histories of African-Canadian people have been often ignored. This course examines African Canadian society and culture from the historical to contemporary period. Topics will include historical analyses, slavery, patterns of immigration and settlement, family, continental African and diasporic connections, identity, arts and culture, education, employment, justice and the law, the media, diasporic debates, Black struggles and resistance, and African Canadian achievements. The course will be taught from a critical race and gender perspective, and will include readings about the diverse Black communities across Canada.

PREREQUISITE: One of SOSA 1000XY.06, SOSA 1050XY.06, or 1200XY.06

CROSS-LISTING: SOSA 2115.03

CANA 2203 Approches Du Texte Littéraire/Approaches to Literary Texts.

CREDIT HOURS: 3

An introduction to the critical reading of a selection of literary texts (various genres and periods) with an emphasis on Québec literature. The close analysis of short

texts will lead to discussions of the broader nature of recurring images and myths as well as central themes. Strongly recommended for French majors and Honours students

FORMAT: Discussion

PREREQUISITE: FREN 1045X/Y.06 or FREN 1050X/Y.06, or 2000-level Placement Test result

CROSS-LISTING: FREN 2203.03

CANA 2207 Canada's Origins to 1763

CREDIT HOURS: 3

This course explores Canada's origins to 1763. It covers the history of First Nations peoples before and after the arrival of Europeans. It addresses themes such as the role of the physical environment; the fur, fish, and timber trades; and the imperial struggle for dominance in North America. While the lectures will narrate the major developments in the seventeenth and eighteenth centuries, the tutorials will focus on specific issues, such as the role of treaties in Canadian history. The course climaxes with the Conquest of Quebec and the end of the Seven Years War.

CROSS-LISTING: HIST 2207.03

CANA 2208 Patriots, Rebels, Refugees: Canada's roots in the Age of Revolution, 1763 to 1860

CREDIT HOURS: 3

As empires continued their international contest and Britain fought to maintain colonies within North America, old and new inhabitants of what would become Canada also wrestled with questions concerning who would exercise power within their communities and governing bodies. In the process they gave new and, at times, conflicting answers to old questions: what did it mean to be a patriot? who and what were they willing to defend? who and what were they prepared to resist? Immigrants, exiles and the refugees of European and North American wars shaped new homelands, even as the First Nations peoples became refugees within their own lands. In this course we explore the related questions of loyalty and conscience through the diaries and letters of men and women defining their place in a new order.

CROSS-LISTING: HIST 2208.03

CANA 2209 Making a Nation: Canada, 1860-1929

CREDIT HOURS: 3

This is the story of how British North America was transformed into a distinct nation-state for the twentieth century. We'll see how a young Canada grappled with geographical, political, and social challenges: acquiring enormous territories amid growing provincial differences; maintaining loyalties to Empire while developing a New World identity; reconciling new and diverse cultural communities; and mobilizing for war.

CROSS-LISTING: HIST 2209.03

CANA 2210 Many Canadas: Canada, 1930 to the present

CREDIT HOURS: 3

This course explores the remaking of Canada, including the shift from imperial to continental and nationalist politics, the rise and transformation of third-party political movements, and the emergence of new ideas about the rights and responsibilities of the liberal individual subject.

CROSS-LISTING: HIST 2210.03

CANA 2211 Social History of Canada before 1870

CREDIT HOURS: 3

This class examines the social history of pre-Confederation Canada through such topics as social control, violence and protest, women and domestic life, regionalism and marginal peoples, and the transformation of the economy.

CROSS-LISTING: HIST 2211.03

EXCLUSIONS: HIST 2210X/Y.06

CANA 2212 Social History of Canada since 1870

CREDIT HOURS: 3

This class examines the social history of Canada since Confederation through such topics as the impact of industrialization, social classes, conflict, the role of women, the state and social development, and relationships among the wide variety of social groups in Canada.

CROSS-LISTING: HIST 2212.03

EXCLUSIONS: HIST 2210X/Y.06

CANA 2218 The Canadian Economy in the New Millennium: Economic Policy Debates

CREDIT HOURS: 3

Canada's economy today faces many problems: unemployment, productivity, income distribution, environmental protection, trade relations, federal-provincial fiscal relations, maintenance of social programs, etc. What are the most important economic policy issues that Canada now faces? What is the appropriate policy role for government?

PREREQUISITE: ECON 1101.03, 1102.03

CROSS-LISTING: ECON 2218.03

CANA 2231 The Making of Modern Canada: Canadian Political History, 1896 to the Present

CREDIT HOURS: 3

This class surveys the major political developments in Canadian history since 1896. Topics to be examined include: regionalism and the emergence of third-party movements; French-English relations; federal-provincial relations; and the transformation of the liberal state in the post-1945 era.

FORMAT: Discussion

CROSS-LISTING: HIST 2231.03

EXCLUSIONS: HIST 2230

CANA 2233 Canadian Economic Hist. I

CREDIT HOURS: 3

An examination of the economic history of Canada from the time of Confederation to WWI. Major topics explored include: the economic reasons for Confederation, the building of the CPR, the Wheat Boom, foreign trade and investment and the roots of regional disparities.

CROSS-LISTING: ECON 2233.03

CANA 2235 History of Canadian Culture

CREDIT HOURS: 3

This course explores the history of Canadian culture since the mid-nineteenth century, including art, architecture, music, literature, sport, and mass media. Themes include creating a "national" culture amid regional differences, and the relationship between popular culture (heavily influenced by the United States) and "high" culture cultivated by the state.

CROSS-LISTING: HIST 2235.03

CANA 2250 History of the Canadian West

CREDIT HOURS: 3

The prairie west is one of the most beautiful places in Canada, but also one of the most overwhelming in its expanse and bewildering in its complexity. Our simple image of the prairie – golden wheatfields and enormous skies – hides a dramatic history of exploration and discovery, war and protest, and struggles to mature as a region within Canada. This class will ask: What makes the prairie west different? How has it shaped modern Canada?

CROSS-LISTING: HIST 2250.03

CANA 2271 Atlantic Canada to Confederation

CREDIT HOURS: 3

A survey of the history of Atlantic Canada (the Maritimes and Newfoundland) from the origins of human habitation to the early 1860s. Emphasis is placed on the pattern of change and conflict which, over time, forged a series of "limited identities" that gradually became elements of an emerging regional personality.

CROSS-LISTING: HIST 2291.03

CANA 2272 Atlantic Canada since Confederation: Regionalism, Identity, and Development, 1867-2000

CREDIT HOURS: 3

A survey of the history of Atlantic Canada (the Maritimes and Newfoundland) from the 1860s to the present. Emphasis is placed on how episodes such as the "age of sail", industrialization, class and gender conflict, war, the struggle for human rights and a chronic effort to play "catch-up" with the rest of the nation have defined this region's identity.

FORMAT: Discussion

CROSS-LISTING: HIST 2272.03

EXCLUSIONS: HIST 2270X/Y.06

CANA 2410 Environmental Issues in Earth Sciences

CREDIT HOURS: 3

Geology underlies many of the environmental problems facing humanity today. Topics include environmental aspects of energy and mineral resource, geologic hazards, geologic connections to pollution and waste disposal, and the role that water plays in its various guises. Canadian examples are incorporated where appropriate. Approved with Canadian Studies.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

PREREQUISITE: One of: EARTH 1080, EARTH/GEOG 1030, EARTH/GEOG 1060, ENVS 1000, SUST 1001 with a grade of B or above, or DISP with Earth Sciences

CROSS-LISTING: EARTH 2410, ENVS 2410

EXCLUSIONS: This class is not available for Earth Sciences Majors

CANA 3000 Interdisciplinary Approaches to Canadian Themes

CREDIT HOURS: 3

This multidisciplinary seminar provides students with the opportunity to consider the structure and content of Canadian society from a variety of academic viewpoints, including the philosophical, historical, political, sociological, geographical, legal and literary. Professors discuss the study of Canada as seen from their different disciplinary perspectives, while the course co-ordinator leads a weekly tutorial.

CANA 3008 Canadian Society and Politics

CREDIT HOURS: 3

This course about the nature of Canadian society has as its focus the study of structures and events which shape social and political organization in Canada. There is not only one way to understand Canadian society: generations of historians, political scientists and economists have provided valuable insights as to why Canadians have believed or acted or voted in one way or another. Sociology and Social Anthropology have helped to understand Canada in terms of contexts and conditions of life which have shaped the evolution of society as we know it. The course explores issues, events, discontents and groups which have produced the recurrent themes that underlie social life in Canada.

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06 RECOMMENDED: SOSA 2110 or another course on Canadian society and/or politics.

CROSS-LISTING: SOSA 3008.03

CANA 3009 Public Opinion in Canada

CREDIT HOURS: 3

This course will introduce students to the study of public opinion in Canada and impact on informed decision making. In particular, the focus will be upon ideas and issues which have been held by groups and been influenced by the media. The lectures would explore the basis of our knowledge about the formation and change of public opinion relative to other forms of collective behaviour. We will present and analyze data relating to the role of public opinion in explaining and predicting political events.

PREREQUISITE: SOSA 1000X/Y.06, 1100X/Y.06, 1050X/Y.06 and 1200X/Y.06

CROSS-LISTING: SOSA 3009.03

CANA 3020 Canadian Cultural Landscapes

CREDIT HOURS: 3

This course explores the stories behind Canada's distinct regional landscapes. It begins with the idea that each province has a certain identity within the national framework - a 'signature' landscape - and this identity can be traced to a particular historical relationship with a particular place or environment. By examining the origins of these different landscapes, we can better understand how different geographies shaped both local and national histories, and also the regional tensions and differences with national borders. At the same time, we can appreciate how nature has been understood, used and transformed since the fifteenth century.

FORMAT: Discussion

CROSS-LISTING: GEOG 3210.03, HIST 3210.03

CANA 3026 Le français québécois/ Quebec French

CREDIT HOURS: 3

Definition, origin and evolution of the French of Quebec. Study of its phonetic, lexical, morphosyntactic and semantic characteristics. Comparison with Canadian French outside of Quebec and with international French. Analysis of written and oral documents for the purpose of illustration. Approved with Linguistics.

PREREQUISITE: FREN 2045X/Y.06 or instructor's permission

CROSS-LISTING: FREN 3026.03

CANA 3107 Experiential Learning: Canada

CREDIT HOURS: 6

Experiential learning is an opportunity for students to reflect on the global/local and theory/practice dynamics of the world around them. Other programs and departments use terms such as internship, volunteer or co-op placements. IDS has adopted the term experiential learning because it reflects the interplay between academic and practical skills development that this program offers. Experiential learning courses are available for both local/Canadian and international placements. The Canadian component of experiential learning focuses on the themes of community development and public engagement. The international component addresses questions of global citizenship. The Canadian component of experiential learning combines classroom learning with volunteer work experience in a community organization in Halifax or other parts of Canada. Students are required to volunteer for a minimum of 60 hours in each term, or approximately 3 hours/week. In addition to this work, students are required to complete a set of readings (to be developed in collaboration with the course instructor) and three academic assignments (a mid-term report, a reflective paper and an academic paper).

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Discussion

PREREQUISITE: INTD 2001 and INTD 2002 or permission of instructor

CROSS-LISTING: INTD 3107.06

CANA 3185 Issues in the Study of Indigenous Peoples of North America

CREDIT HOURS: 3

This seminar is concerned with the historical background of the Native-European situation in North America and with issues arising from this background. Students will research issues which are significant to themselves and important to Native groups. Topics covered may vary from year to year, but will normally include a combination of historical issues such as culture change and contemporary issues such as land claims, self-determination and government policy, and social conditions of Natives.

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: SOSA 3185.03

CANA 3220 Coastal Communities in the North Atlantic

CREDIT HOURS: 3

Coastal communities as a social/ecological type are examined as populations, and social structures (territorial, economic, occupational, political) as they have developed in response to particular ecological and social circumstances. Various perspectives which have been applied to coastal communities are examined with regard to the contribution they may make to understanding the dynamics of these communities. The focus is on North Atlantic communities.

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: ENVI 5180.03, GEOG 3220.03, SOSA 3220.03

CANA 3223 The Caring Society? - Welfare in Canada since 1900

CREDIT HOURS: 3

This course examines changes over the twentieth century in the ways Canadians have dealt with people's needs, their own or others', whether for income, housing, personal care, or other matters of survival and well-being. Both private and government forms of welfare provision will be studied, with the overall purpose of understanding why Canada came to have the kind of welfare state it does. Among the topics that may be covered are: changing views on the origins and prevention of dependency; definitions of need; religious and ethnic variations in welfare practices; connections between welfare and women's lives; charitable fund-raising; promoters and opponents of government social programs; financing the welfare state; gender, race, constitutional, and class issues in welfare.

FORMAT: Discussion

CROSS-LISTING: HIST 3223.03, HIST 5223.03

CANA 3231 Modern Canadian Literature

CREDIT HOURS: 3

The historical period covered in this course extends from the end of World War I through the decade following World War II, a period during which Canada witnessed the formation of a modern literature in English. Varied aesthetic responses to ideas of the modern, the processes and technologies of modernization, and the conditions of social, cultural, economic, and political modernity will be addressed.

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CROSS-LISTING: ENGL 3231.03

CANA 3245 Canadiens, Acadiens, Québécois

CREDIT HOURS: 3

Given in English for English-speaking students, this course studies the political identities of Canada's historic French-speaking communities. Grounded in 17th century settlements, these communities developed distinct and diverse social, economic, cultural, and political traditions. The course follows their development from the 19th century to the present, with particular emphasis on nationalist politics, from the early 'canadien' politics to contemporary Acadian nationalism and Québec sovereignty.

FORMAT: Discussion

PREREQUISITE: One course in Canadian history, or instructor's consent

CROSS-LISTING: HIST 3245.03

EXCLUSIONS: HIST 2240.03

CANA 3270 Contemporary Canadian Literature

CREDIT HOURS: 3

In this course, a variety of late twentieth-century and recent Canadian fiction and poetry texts will be studied from such perspectives as the following: postcolonial, postmodern, multicultural. The politics of cultural expression will be emphasized, as well as the relationship between ethics and aesthetic approaches to literature.

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CANA 3333 News Media and the Courts in Canada

CREDIT HOURS: 3

This course is an introduction to the justice system and the specific laws that govern how journalists do their jobs. The goal is to give students and working journalists an understanding of court structure, legal principles, and criminal and civil procedure. Bans on publication, contempt of court, libel law, media access to the courts, confidentiality of sources and other media-law issues will be examined. The format combines lectures with forum discussions featuring lawyers, prosecutors, judges and other players in the justice system.

PREREQUISITE: JOUR 1001.06 or CANA 2000.06 or permission of the instructor

CROSS-LISTING: JOUR 3333.03

CANA 3568 Canada and the World

CREDIT HOURS: 3

This course examines post-World War II Canadian Foreign Policy in two parts: (1) an analysis of 'landmark' policy issues; and (2) an investigation of the general factors that help to "explain" the form and content of Canadian foreign policy, with particular reference to the institutions and processes through which policy decisions are made. Issues discussed are likely to include: the "invention" of peacekeeping; the Mulroney government's involvement in the campaign to end apartheid in South Africa; the negotiation of the North American free trade; the politics of immigration and diasporas; and the place of the Arctic in Canada and international relations.

PREREQUISITE: Class in international politics, Canadian politics, or Canadian history in the 20th century, or with the permission of the instructor.

CROSS-LISTING: POLI 3568.03

CANA 3900 CANA 3901.03: La littérature canadienne française/French-Canadian Literature

CREDIT HOURS: 3

In-depth study of a few major works of French-Canadian literature with emphasis on the period from 1945 to the present day.

FORMAT: Discussion

PREREQUISITE: FREN 2201.03/2202.03

CROSS-LISTING: FREN 3901.03

CANA 3910 Études acadiennes/Acadian Studies

CREDIT HOURS: 3

Critical investigation into the historical, socio-cultural, linguistic and literary significance of past and present Acadian writing.

PREREQUISITE: FREN 2201.03/2202.03

CROSS-LISTING: FREN 3910.03

CANA 4000 Seminar in Canadian Studies

CREDIT HOURS: 3

The course will explore in depth a single Canadian issue, topic or theme that crosses disciplinary borders. Along with the instructor, cross-appointed faculty from different departments will share their views on the subject. Topics might include aboriginal issues, Canada as a maritime nation, or Canadian film.

NOTES: CANA 4000.03 is also open, as an elective course, to Faculty of Arts and Social Sciences students with an interest in Canadian Studies who may not complete the Canadian-content requirements for the Concentration, minor or joint degrees.

CANA 4001 Research Topics in Canadian Studies

CREDIT HOURS: 3

This course will provide students with an opportunity to develop, in close consultation with a faculty member, a topic in Canadian Studies usually growing out of the work done in the seminar CANA 4000.03. Research will culminate in the writing of a major research paper. There will be regular one-to-one meetings with the chosen faculty member and progress meetings of the whole group. It is mandatory for those completing a Combined Honours in Canadian Studies and is highly recommended for those seeking the Emphasis or Double Major in Canadian Studies.

FORMAT: Tutorial| Seminar

PREREQUISITE: CANA 4000.03 or permission of the instructor

CANA 4300 Canadian Healthcare Delivery System

CREDIT HOURS: 3

The course is designed to provide an overview of healthcare in Canada, and more specifically in Nova Scotia, where the health reform process will be addressed. Aimed specifically at supervisors, middle management, and administrators the existing trends in healthcare from a national and provincial perspective will be reviewed. The goal of this course is to provide the student with a snapshot view of the existing healthcare system, its past development, and future direction.

CROSS-LISTING: HESA 4000.03

CANA 4362 Topics in Canadian Music

CREDIT HOURS: 3

This course focuses on one or more of the following topics: Canadian composers, performers

CROSS-LISTING: MUSC 4362.03

CANA 4500 Canadian Theatre to 1968: Performing the Nation

CREDIT HOURS: 3

Early Canadian theatre offers a fascinating example of a colonized nation's struggle to find its own dramatic voice in the face of powerful outside influences. This seminar course will explore the development of theatre in Canada from its roots in First Nations ritual and performance, to its encounters with British and European models and its eventual search for an independent identity via the Little Theatre movement, the Workers' Theatre movement and the Dominion Drama Festival. The course will close with a consideration of the influential Massey Commission and the birth of the Stratford Festival, Canada's first 'world class' theatre. Over the course of the term, special attention will be paid to the development of diverse dramatic traditions in French and English Canada. Drama by representative playwrights will be studied alongside primary sources in Canadian theatre history to give students an integrated perspective on the complex artistic and political debates that helped to determine the character of performance in Canada.

PREREQUISITE: Permission of the instructor

CROSS-LISTING: THEA 4500.03, ENGL 4500.03

CANA 4501 Canadian Theatre Since 1968: Interrogating Identities

CREDIT HOURS: 3

This seminar course will examine the ongoing emergence of uniquely Canadian forms of theatre in the years since the Massey Commission asserted the need to foster Canada's native talent. Topics to be considered will include: the controversial role of government subsidy and policy-making in Canadian culture; the differing models offered by the Stratford and Shaw Festivals, by the major regional theatres, and by 'alternate' and independent companies; the contrast between First Nations, English- and French-Canadian traditions; and the rise of the current 'Fringe' phenomenon. Drama by representative playwrights will be considered alongside post-colonial theory and primary sources in Canadian theatre history to help students consider what a genuinely 'Canadian' theatre might look like. Above all, the course offers an opportunity to consider the complex relationship between theatre and national identity: who are 'we,' and how might our theatre express or even shape 'us'?

PREREQUISITE: Permission of the instructor

CROSS-LISTING: ENGL 4501.03, THEA 4501.03

Chinese (Mandarin)

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Introduction

A minor in Chinese Studies is an excellent interdisciplinary complement to a course of studies at Dalhousie or University of King's College in any area of arts, social sciences, sciences, or other programs. Students will attain a solid foundation for further academic, professional, and/or personal explorations of this fascinating country, its history, its culture, and its complex relationship to other parts of Asia as well as to the West.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Coordinator

Luo, S., PhD (UNB)

(902 494-3197)

Minor in Chinese Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 18 credit hours in Chinese Studies above the 1000 level. Within those 18 credit hours, students must include CHIN 2030.06, or CHIN 2031.03/CHIN 2032.03 and at least six credit hours above the 2000 level.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

CHIN 1030X/Y Introduction to Chinese (Mandarin)

CREDIT HOURS: 6

This course aims to provide basic competence in understanding and speaking Mandarin and reading Chinese characters. It is for students who have had no exposure to Mandarin or Cantonese. This course fulfills the BA language requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

EXCLUSIONS: ASSC 2035.06X/Y; native speakers of Chinese (any dialect)

CHIN 1031 Introduction to Chinese (Mandarin), Pt. 1

CREDIT HOURS: 3

This course aims to provide basic competence in understanding and speaking Mandarin and reading Chinese characters. It is for students who have had no exposure to Mandarin or Cantonese.

FORMAT: Lecture

RESTRICTIONS: Students wishing to continue to Intermediate or Advanced Chinese language courses, or to use this course toward satisfying the BA language requirement, must complete both CHIN 1031 and CHIN 1032.

EXCLUSIONS: CHIN 1030X/Y.06, ASSC 2035X/Y.06; native speakers of Chinese (any dialect).

CHIN 1032 Introduction to Chinese (Mandarin), Pt 2

CREDIT HOURS: 3

This course aims to provide basic competence in understanding and speaking Mandarin and reading Chinese characters. It is for students who have had no exposure to Mandarin or Cantonese.

COURSE FREQUENCY: Yearly

FORMAT: Lecture| Lab

PREREQUISITE: CHIN 1031.03

RESTRICTIONS: Students wishing to continue to Intermediate or Advanced Chinese language courses, or to use this course toward satisfying the BA language requirement, must complete both CHIN 1031 and CHIN 1032.

EXCLUSIONS: CHIN 1030X/Y.06, ASSC 2035X/Y.06; native speakers of Chinese (any dialect).

CHIN 2020 History of East Asia

CREDIT HOURS: 3

This introductory course explores historical change and social transformation in China, Japan, Korea, and Vietnam from antiquity to the present. It is an East Asian counterpoint to the historical narrative of Western civilization. Emphasizing the Chinese and Japanese experiences, the class will examine some of the more salient social, intellectual, political, economic, and environmental features apparent in the heritage of these societies, as well as some of the ways each society has influenced the others. No previous study of East Asia is expected or required.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: HIST 2820.03

CHIN 2030X/Y Intermediate Chinese (Mandarin)

CREDIT HOURS: 6

For students with some background in Mandarin Chinese, this course is a continuation of CHIN 1030.06 Introduction to Mandarin. All four language skills—listening and speaking, reading and writing—will be further developed; as well, a broader range of Chinese cultural elements will be introduced.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

EXCLUSIONS: Native speakers of Chinese (any dialect)

CHIN 2031 Intermediate Chinese (Mandarin), Pt. 1

CREDIT HOURS: 3

For students with some background in Mandarin Chinese, this class is a continuation of CHIN 1031 and CHIN 1032, Introduction to Chinese (Mandarin), pts. 1 and 2. All four language skills – listening and speaking, reading and writing – will be further developed. As well, a broader range of Chinese cultural elements will be introduced.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHIN 1031.03 and CHIN 1032.03 or equivalent

EXCLUSIONS: CHIN 2030X/Y.06; native speakers of Chinese (any dialect).

CHIN 2032 Intermediate Chinese (Mandarin), Pt. 2

CREDIT HOURS: 3

For students with some background in Mandarin Chinese, this class is a continuation of CHIN 1031 and CHIN 1032, Introduction to Chinese (Mandarin), pts. 1 and 2. All four language skills – listening and speaking, reading and writing – will be further developed. As well, a broader range of Chinese cultural elements will be

introduced.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHIN 2031.03, or equivalent

EXCLUSIONS: CHIN 2030X/Y.06; native speakers of Chinese (any dialect).

CHIN 2040 History of Chinese Science and Technology

CREDIT HOURS: 3

This course examines the history of Chinese science and technology in an intellectual, social, and cultural context. Students will read and learn about both Chinese and East Asian history generally and the long-term global trajectories of environmental and technological change that transformed the production of goods, the conduct of governance, and the relationship between humans and their environment long before the “rise of the West” with which so much of the history of science and technology is concerned.

CROSS-LISTING: HSTC 2810.03

CHIN 2050 Chinese Culture

CREDIT HOURS: 3

This course explores the historical and literary backgrounds to modern Chinese culture by looking into different cultural characteristics of Chinese values, customs, myths, fables, society and social roles, food, fashion, dance, language and religion. In order to understand what constitutes Chineseness and its transformation, the course also discusses the international contexts of Chinese diasporas (such as Chinese communities in North America, Taiwan, and Southeast Asia) and Western conceptualizations of Chinese culture in relation to other aspects of social life, i.e. economy and politics. No previous background in Chinese language or culture is required.

FORMAT: Lecture| Discussion

PREREQUISITE: None

CROSS-LISTING: SOSA 2051.03

CHIN 2052 East Meets West in Popular Culture

CREDIT HOURS: 3

This course is devoted to examining intersections between “West” and “East” through the study of cross-cultural influences in popular literature, cinema, music, and comics in Europe, North America, and East Asia.

FORMAT: Lecture| Seminar

CROSS-LISTING: CTMP 2052.03

RESTRICTIONS: Restricted to students in their 2nd year and above.

CHIN 2060 Chinese and Japanese Religions

CREDIT HOURS: 3

An introduction to the cultural, religious, and philosophical traditions of China and Japan. Topics to be covered include: Classical Confucianism, Neo-Confucianism, Philosophical and Religious Taoism, Shinto, Chinese and Japanese Buddhism. The course will also examine the interaction, competition, and overlap between these traditions.

FORMAT: Lecture| Seminar

CROSS-LISTING: RELS 2012.03

CHIN 2070 Buddhism

CREDIT HOURS: 3

This course introduces the student to the Buddhist religious tradition, beginning with its origins and early developments in India and followed by a treatment of key themes of later world Buddhism such as meditation, devotion, monasticism, and ritual. The course thus exposes students to both Buddhism's early Indian doctrinal and institutional dimensions, and to aspects of Buddhism as practiced subsequently in China, Japan, and Tibet.

FORMAT: Lecture| Seminar

CROSS-LISTING: RELS 2013.03

CHIN 2080 The East is Read: Early Modern Conceptions of Asian Thought

CREDIT HOURS: 3

This class considers early modern European interpretations of key Asian texts. It assesses both the merits of early modern interpretations of Asian thought and what these interpretations reveal about the self-consciousness of European thinkers in the early modern period.

FORMAT: Seminar

CROSS-LISTING: EMSP 2450.03

CHIN 2290 Emerging Giants: The Economic Rise of China and India

CREDIT HOURS: 3

This course examines the economic history, current issues, and future trends of China and India, answering such questions as: What explains China's and India's growth? How is climate change affected by this growth? How are global labour markets affected? Must growth lead to rising inequality? Is democracy required for development?

FORMAT: Lecture

PREREQUISITE: A grade of C or better in ECON 1101.03 and ECON 1102.03

CROSS-LISTING: ECON 2213.03

CHIN 3030X/Y Advanced Chinese (Mandarin)

CREDIT HOURS: 6

For Students with intermediate-level background in Mandarin Chinese, this course is a continuation of CHIN 2030.06 Intermediate Chinese (Mandarin). The course aims to develop further the four language skills -listening, speaking, reading, and writing. It seeks to enlarge the students' vocabulary in commonly used characters and phrases and provide students with further understanding of Chinese grammar, abilities to read expository and narrative writings, speaking skills to cope with real life situations, writing skills of short essays, as well as further understanding of Chinese culture and society.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

EXCLUSIONS: Native speakers of Chinese (any dialect)

CHIN 3031 Advanced Chinese (Mandarin), Pt 1

CREDIT HOURS: 3

For students with intermediate background in Mandarin Chinese, this class is a continuation of CHIN 2031 and 2032, Intermediate Chinese (Mandarin), pts. 1 and 2. The class aims to develop further the four language skills: listening, speaking, reading and writing. It seeks to enlarge the students' vocabulary in commonly used characters and phrases and provide students with further understanding of Chinese grammar, abilities to read expository and narrative writings, speaking skills to cope with real life situations, writing skills suitable for short essays, as well as further understanding of Chinese culture and society.

FORMAT: Lecture| Lab

PREREQUISITE: CHIN 2031 and CHIN 2032, or equivalent

EXCLUSIONS: CHIN 3030X/Y.06; native speakers of Chinese (any dialect).

CHIN 3032 Advanced Chinese (Mandarin), Pt. 2

CREDIT HOURS: 3

For students with intermediate background in Mandarin Chinese, this class is a continuation of CHIN 2031 and 2032, Intermediate Chinese (Mandarin), pts. 1 and 2. The class aims to develop further the four language skills: listening, speaking, reading and writing. It seeks to enlarge the students' vocabulary in commonly used characters and phrases and provide students with further understanding of Chinese grammar, abilities to read expository and narrative writings, speaking skills to cope with real life situations, writing skills suitable for short essays, as well as further understanding of Chinese culture and society.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHIN 3031 or equivalent

EXCLUSIONS: CHIN 3030X/Y.06; Native speakers of Chinese (any dialect).

CHIN 3050 Topics in Asian Cinema

CREDIT HOURS: 3

Each year will focus on specific topics as explored in the cinema of various Asian countries. Particular attention will be paid to how Asian filmmakers employ different cinematic genres in their treatments of diverse aspects of Asian societies and cultures.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 3350.03

CHIN 3062 Modern Chinese Literature in Revolutionary Times

CREDIT HOURS: 3

A survey of representative works in modern Chinese literature, this course is designed to enhance students' understanding of modern Chinese society and culture through reading works by major Chinese authors from the Republican period, over three decades—1919 to 1949. It was a period of cultural clashes between traditional Chinese culture and Western influences, a time of wars, political and ideological struggles and changes. All readings are in English, as is the language of instruction. A background in Chinese language, culture, and/or literature is encouraged but not required.

FORMAT: Lecture| Discussion

CHIN 3080 Literature of the Asian Diaspora

CREDIT HOURS: 3

Literature of the Asian Diaspora encompasses literature written in English by writers of Asian descent and heritage. Each year may have a specific focus, such as Asian Canadian and Asian American, Anglo-Asian, or Asian Australian literature. The course will concern itself with what constitutes Asian diasporic literature, its various historical and social contexts, as well as its narrative traditions and innovations.

FORMAT: Lecture| Discussion

CROSS-LISTING: ENGL 3087.03

Classics

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1172

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3468

Fax: (902) 494-2467

Website: www.dal.ca/classics

Email Address: claswww@dal.ca

Introduction

Classics is the study of the ancient Greeks and Romans: their myths, mysteries, and games, their epics, comedies, and tragedies, their languages, arts, and architectures, their religions, philosophies, and sciences. We examine how they constructed their relations to nature, literally created "history", and discovered how terrible the human is. We learn their magic, blessings, and curses, their politics and laws, their social structures, and ways of making war. We look at their sex lives, how they died, and what they used for money. Classics tells the story of the rise and fall of their empires, and of what has indelibly lasted after imperial military and political forces collapsed. We investigate how what the Greeks and Romans became depended on encounters with the peoples, cultures, philosophies, technologies of war and peace, politics and religions of Egypt and North Africa, of Judea, Lebanon, and Syria, of Arabia and Persia, and of Tuscany and the Eurasian North. And Classics looks at how, out of those same meetings, new religions and philosophies evolved, giving us the literatures, arts, and politics of Greek, Latin, and Arabic Christianities, of Hebrew, Greek, and Arabic Judaism, and of Islam. We start from the remotest origins of human history, make a long stop at the "Classical" period, become what some regard as decadent, and go up to the end of the Middle Ages. We are at home in Athens and Rome, in Constantinople and Istanbul, in Carthage, Alexandria and Jerusalem, in Antioch, Damascus, and Baghdad, in Cordoba and Palermo, in Paris, Oxford, Fribourg, and Cologne, and we encamp at Hadrian's Wall, once the boundary of "civilization". Languages, chiefly Greek and Latin, are both our pleasure and our necessity, but Classics is much more than the study of languages, its study

lays the foundation of self-knowledge.

Classics at Dalhousie offers the full range of electives and degree programs: minors, majors, and honours for Bachelor degrees, the Master of Arts, and the PhD. It has specialists in philosophy and religion, in languages and literature, and in history. Students of Classics must learn Greek and Latin, if they wish to take an honours degree or go on to graduate studies in the field. While we recommend that students begin Latin or Greek in their first year, it is quite feasible to start language studies subsequently.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Hankey, W. J. (902 494-3468)

Undergraduate Advisor

Varto, E., BA (Queen's), MA (Dalhousie), PhD (UBC)

Professors Emeriti

Friedrich, R., Dr. Phil. (Göttingen)

Professor

Hankey, W. J., BA (Vind), MA (Toronto), DPhil (Oxon)

Associate Professor

Diamond, E., BA (Vind), MA (Dalhousie), PhD (Northwestern)

Fournier, M., BA, MA (Dalhousie), PhD (BC)

Assistant Professors

Firanesu, D. R., PhD (Bucharest)

MacLeod, L. M., BA (Brock) MA, PhD (Dalhousie)

Mitchell, J., BA (McGill), PhD (Stanford)

O'Brien, P. H., BA (Vind), MA (Dalhousie), MA, PhD (BU)

Varto, E., BA (Queen's), MA (Dalhousie), PhD (UBC)

BA (120 credit hour) Honours in Classics

For purposes of meeting grouping requirements, some Ancient and Medieval Philosophy courses may be counted either as Classics credits, or Philosophy credits.

Students must complete between 54 - 66 credit hours in Classics at the 2000 level or above. Among these credit hours, students must take the following:

- 30 credit hours in Greek and Latin (12 in one; 18 in the other). Students may choose from: Greek: CLAS 2500; CLAS 2700; CLAS 3700 or any other upper level course offered in Greek. Latin: CLAS 1800; CLAS 2800; CLAS 3810 or any other upper level course offered in Latin.
- 18 credit hours at the 3000 level or higher
- completion of the Honours Examination (Classics 0400.00 - CLAS 0400)

Candidates for Honours and Combined Honours degrees who anticipate continuing their studies at the Graduate level in Classics should consult the calendars of the Graduate Schools of their choice concerning requirements for entry into Graduate programs. It may be the case that additional preparation in the classical languages or in other aspects of ancient civilizations is required for entry into certain programs.

NOTE: Students are urged to apply for Honours as early as possible in their program (applications may be submitted after completion of one year of university). Please consult undergraduate advisor.

BA (120 credit hour) Combined Honours in Classics

Classics may be taken as part of a combined honours program with other disciplines. Students interested in such programs should consult with the undergraduate advisors of the respective departments.

Students must complete 30 - 48 credit hours in Classics at the 2000 level or higher. Among these credit hours, students must take the following:

- 18 credit hours in Greek and/or Latin. Students may choose from:
- Greek: CLAS 2500; CLAS 2700; CLAS 3700 or any other upper level course offered in Greek. Latin: CLAS 1800; CLAS 2800; CLAS 3810 or any other upper level course offered in Latin.
- 12 credit hours at the 3000 level or higher
- completion of the Honours Examination (Classics 0400.00 - CLAS 0400) if the major work is done in Classics

Candidates for Honours and Combined Honours degrees who anticipate continuing their studies at the Graduate level in Classics should consult the calendars of the Graduate Schools of their choice concerning requirements for entry into Graduate programs. It may be the case that additional preparation in the classical languages or in other aspects of ancient civilizations is required for entry into certain programs.

NOTE: Students are urged to apply for Honours as early as possible in their program (applications may be submitted after completion of one year of university). Please consult undergraduate advisor.

BA (120 credit hour) Major in Classics

Students must complete the faculty requirements for a major. These requirements include 36 to 54 credit hours in Classics at or above the 2000 level; and 18 credit hours at the 3000 level or higher. Students are encouraged to take two language courses in Greek and/or Latin.

BA (120 credit hour) Double Major in Classics

Students must complete the faculty requirements for a double major. These include 60 to 84 credit hours in the Major subjects at the 2000 level or higher with no more than 48 and no fewer than 30 in either. Students must include at least 12 credit hours at the 3000 level or higher in each subject.

BA (90 credit hour) Minor in Classics

See the Minors section of this Calendar.

Minor in Ancient History

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science,

Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours from the following list at the 2000 level or above to a maximum of 27 credit hours.

- CLAS 2021.03 Ancient Art and Architecture from the Pyramids to the Forum
- CLAS 2027.03 Magic, Religion & Philosophy
- CLAS 2209.03 The Roman World from Constantine to Theodosius
- CLAS 2214.03 The Roots of Greek Civilization
- CLAS 2215.03 The Classical Greek World
- CLAS 2216.03 Alexander the Great and the Hellenistic Kings
- CLAS 2220.03 Ancient Israel
- CLAS 2231.03 The Rise of Rome
- CLAS 2232.03 The Fall of Rome
- CLAS 2233.03 Roman Legions and the Barbarians
- CLAS 2234.03 Death, Sex, and Gold in the Ancient World
- CLAS 2281.03 Christian Beginnings: The Orthodox and Oriental Churches
- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3021.03 Ancient Art and Architecture from the Pyramids to the Forum
- CLAS 3205.03 Fall of the Roman Republic
- CLAS 3282.03 Christian Beginnings: Catholicism
- CLAS 3501.03 Herodotus: Father of History, Father of Lies
- CLAS 3502.03 Thucydides and the Greek World at War
- CLAS 3780.06 Greek Historians
- CLAS 3791.03 Greek Historians in Translation
- CLAS 3760.06 Reading and Research of Greek Texts (when appropriate)
- CLAS 3850.06 Reading and Research of Latin Texts (when appropriate)
- CLAS 4100.03 Reading and Research in Latin Texts (when appropriate)
- CLAS 4540.03 Ammianus Marcellinus and his World

Language Courses

Not more than six credit hours in ancient language may be counted towards the Minor:

- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Classical Literature

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours to a maximum of 27 credit hours from the following list:

- CLAS 2100.06 Gods, Heroes, and Monsters: Ancient Mythology
- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2515.03 Myth into Film I: the Greek World
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin
- CLAS 3515.03 Greek Tragedy
- CLAS 3516.03 Ancient Comedy
- CLAS 3525.03 Ancient Greek Epic
- CLAS 3700.06 Advanced Greek
- CLAS 3760.06 Reading and Research of Greek Texts
- CLAS 3800.06 Roman Satire
- CLAS 3810.06 A Study of Virgil
- CLAS 3820.06 Advanced Latin Literature: Augustan Poetry and Prose
- CLAS 3850.06 Reading and Research of Latin Texts
- CLAS 4710.03 Special Topics
- CLAS 4820.03 Special Topics

- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4070.03 The Confessions in Latin
- CLAS 4100.03 Reading and Research in Latin Texts
- CLAS 4540.03 Ammianus Marcellinus and his World
- CLAS 4580.03 Reading and Research

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Classics: Ancient Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take 18 credit hours at the 2000 level or above to a maximum of 27 credit hours from the following list, including a minimum of 9 credit hours chosen from the following:

- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 2366.03 Gods, Beasts and the Political Animal: Plato, Aristotle, and their Legacy
- CLAS 3400.06 The Dialogues of Plato
- CLAS 3500.06 Aristotle

Philosophy courses

- CLAS 2024.03 Philosophy and God
- CLAS 2027.03 Magic, Religion and Philosophy
- CLAS 2365.03 Plato and the Case of Socrates: Philosophy on Trial
- CLAS 2366.03 Gods, Beasts and the Political Animal: Plato, Aristotle, and their Legacy
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3400.06 The Dialogues of Plato
- CLAS 3411.03 St. Augustine's Confessions I
- CLAS 3412.03 St. Augustine's Confessions II
- CLAS 3431.03 St. Augustine's On the Trinity Part I
- CLAS 3432.03 St. Augustine's On the Trinity Part II
- CLAS 3500.06 Aristotle
- CLAS 3900.06 The Philosophy of Aristotle
- CLAS 3910.06 Neoplatonism: Plato and Neoplatonism
- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4019.03 Philo Judaeus
- CLAS 4400.06 Philosophy of the Church Fathers
- CLAS 4500.06 Seminar on Neoplatonism
- CLAS 4601.03 Hellenistic Philosophy - Stoics and Epicureans
- CLAS 4602.03 Hellenistic Philosophy - From Scepticism to Neoplatonism

Language Courses

Not more than six credit hours of a language course may be counted towards the Minor:

- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Classics: Medieval Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must take between 18 and 27 credit hours from the following list, including the listed language courses. Must include 9 credit hours from:

- CLAS 3381.03 Medieval Philosophy from Anselm to Augustine
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- ARBC 3040.03 Arabic Philosophical Texts: al-Ghazali (or CLAS 4010.03 Islamic Philosophy: al-Ghazali)
- ARBC 3050.03 Arabic Philosophical Texts: Maimonides (or CLAS 4011.03 Jewish Philosophy: Maimonides)
- CLAS 4018.03 Christian Theology in Islamic Lands: John of Damascus
- CLAS 4450.06 Medieval Interpreters of Aristotle

Philosophy courses

- CLAS 2024.03 Philosophy and God
- CLAS 2027.03 Magic, Religion and Philosophy
- CLAS 3016.03 Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03 Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- CLAS 3381.03 Medieval Philosophy from Anselm to Augustine
- CLAS 3382.03 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- CLAS 3411.03 St. Augustine's Confessions I
- CLAS 3412.03 St. Augustine's Confessions II
- CLAS 3431.03 St. Augustine's On the Trinity Part I
- CLAS 3432.03 St. Augustine's On the Trinity Part II
- CLAS 3841.03 Latin Philosophical Texts: Aquinas Texts
- CLAS 3842.03 Latin Philosophical Texts: Anselm and Bonaventure Texts
- CLAS 3910.06 Neoplatonism: Plato and Neoplatonism
- CLAS 4060.03 Boethius and Prosimetrum: Poetry and Prose in the Consolation of Philosophy
- CLAS 4070.03 The Confessions in Latin
- CLAS 4400.06 Philosophy of the Church Fathers
- CLAS 4450.06 Medieval Interpreters of Aristotle
- CLAS 4500.06 Seminar on Neoplatonism
- CLAS 4602.03 Hellenistic Philosophy - From Scepticism to Neoplatonism

Language Courses

Not more than six credit hours in a language course may be counted towards the Minor:

- ARBC 2020.06 Intermediate Arabic
- ARBC 3030.03 Advanced Arabic I
- ARBC 3031.03 Advanced Arabic II
- CLAS 2500.06 Introductory Ancient Greek
- CLAS 2700.06 Intermediate Greek
- CLAS 2800.06 Intermediate Latin
- CLAS 2900.06 Intermediate Hebrew

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

NOTES:

1. Not all courses are offered every year. Please consult the current timetable or the Classics Department (494-3468) to determine this year's offerings.
2. The Introductory courses, and the more elementary courses in Ancient History and Religions, and Classical Philosophy listed below do not require knowledge of the

ancient languages. However, students who plan to do advanced work in any of these areas are advised to begin study of the appropriate languages as early as possible.
3. The Department of Classics offers courses at three levels in Arabic. Descriptions for these courses can be found in the Arabic section of this calendar.

Course Descriptions

CLAS 0400X/Y Honours Examination

CREDIT HOURS: 0

Details available from the department.

PREREQUISITE: CLAS 2700X/Y.06 or CLAS 2800X/Y.06

CLAS 1010X/Y Ancient History: God-Kings, Spartans and Caesars

CREDIT HOURS: 6

Consideration of the pre-classical Near Eastern civilizations (Mesopotamian, Egyptian, Hebrew etc.) in the first term is followed in the second by treatment of the civilizations of Greece and Rome. The course concludes with a consideration of the dissolution of Roman Imperial power and the development of the Christian and Islamic cultures. Particular attention will be paid to political, cultural and social history. As the course is intended as an introductory one, no special preparation is expected. There is no foreign language requirement. This course fulfills the first year writing requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CLAS 1100X/Y Gods, Heroes, and Monsters: Ancient Mythology

CREDIT HOURS: 6

An introductory survey of the traditional religious narratives of ancient civilizations including Mesopotamia, Egypt, Israel, Greece, and Rome. Of special interest: the function of myth in shaping and expressing a culture's understanding of the divine, the institutions of human community (religion, the family, government), and the natural world; the interrelationships of the myths of those civilizations; the reception of those traditions in the origins of Christian and Islamic culture. The traditional narratives and their broader cultural contexts will be approached through study of primary sources including epic, tragic, and didactic poetry, hymnography, historiography, philosophy, the visual arts, and architecture. This course fulfills the first year writing requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CROSS-LISTING: RELS 1200X/Y.06

EXCLUSIONS: CLAS 2100X/Y.06

CLAS 1600 Sanskrit I

CREDIT HOURS: 3

This course provides students with all the basic tools required for the study of Sanskrit, with a particular emphasis on basic Sanskrit grammar. Students will learn the Devanagari script, several common nominal forms and the basics of the verbal system, as well as develop a competency in basic reading and recitation.

CROSS-LISTING: RELS 1600.03

CLAS 1800X/Y Introductory Latin

CREDIT HOURS: 6

The course is an introduction to Latin through the study of its basic grammar. No previous study or experience of Latin is required or expected. The aim of this course is to give students sufficient preparation to read basic passages of Latin texts and to pursue further intermediate studies in Latin. There are no prerequisites for this course; this is an introductory course. Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: CLAS 1801; CLAS 1802; CLAS 2810

CLAS 1900X/Y Introductory Classical Hebrew

CREDIT HOURS: 6

An introduction to Classical Hebrew through the study of its basic grammar. The aim of the course is to read texts in Hebrew.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

EXCLUSIONS: CLAS 1901.03 or 1902.03

CLAS 2024 Philosophy and God

CREDIT HOURS: 3

Does god exist? Can God be known? Have a nature? Do evil? Beginning by occupying the same ground as religion, philosophy has asked these questions. Starting with Pythagoras, Empedocles, Plato, Aristotle, Epicurus, and continuing with their pagan Jewish, Christian, and Islamic followers, we shall learn to state the answers of sages and mystics with historical accuracy and to judge their persuasive power.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 2203

CLAS 2025 Nature, the Human, Community and the Divine in the Pre-Modern West

CREDIT HOURS: 3

What is nature? What is the proper relationship between nature and the human being, political community, and divinity? This course will investigate ancient Greek, Roman, Jewish, Christian and Islamic answers to these questions through the study of literature, philosophy, art and architecture of the Pre-Modern West.

FORMAT: Lecture

CROSS-LISTING: RELS 2025.03

CLAS 2026 Paganism

CREDIT HOURS: 3

Pagan" originated as a derogatory Christian designation for ignorant conservative rustics who kept to the pre-Christian religions. We shall look at those religions in their origins, nature, and development in antiquity, their continuations in the Middle Ages and modernity, and their persistence and revival in the contemporary world.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 2026.03

CLAS 2027 Magic, Religion, and Philosophy

CREDIT HOURS: 3

Reading the Greek Magical Papyri, as well as curse tablets and binding spells from ancient sources, we will explore the intersections of, and relations between, magic, religion, and philosophy in antiquity. The focus will be on both the practical and theoretical aspects of magic in the Greek and Roman worlds.

FORMAT: Lecture

CROSS-LISTING: RELS 2027.03

CLAS 2100X/Y Gods, Heroes, and Monsters: Ancient Mythology

CREDIT HOURS: 6

An introductory survey of the traditional religious narratives of ancient civilizations including Mesopotamia, Egypt, Israel, Greece, and Rome. Of special interest: the function of myth in shaping and expressing a culture's understanding of the divine, the institutions of human community (religion, the family, government), and the natural world; the interrelationships of the myths of those civilizations; the reception of those traditions in the origins of Christian and Islamic culture. The traditional narratives and their broader cultural contexts will be approached through study of primary sources including epic, tragic, and didactic poetry, hymnography, historiography, philosophy, the visual arts, and architecture.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: Students must be beyond the first year and have completed the writing requirement

EXCLUSIONS: CLAS 1100X/Y.06, RELS 1200X/Y.06

CLAS 2209 The Roman World from Constantine to Theodosius (312-395)

CREDIT HOURS: 3

This course covers one of the most important periods of Roman history in which Christianity became the dominant religion in the empire and foreign peoples threatened the existence of the empire itself. The course is open to first-year students. There is no foreign language requirement.

FORMAT: Seminar

CROSS-LISTING: HIST 2017.03, RELS 2209.03

EXCLUSIONS: CLAS 2210X/Y.06, HIST 2004X/Y.06

CLAS 2214 The Roots of Greek Civilization: From Crete and Troy to the Rise of Athens

CREDIT HOURS: 3

A history of Archaic Greek culture from the Bronze Age palaces of Crete and Mycenae through the development of the Greek city-states. Topics to be discussed include prehistory, palaces and shipwrecks, art and archaeology, the world of Homeric poetry, archaic poetry and thought, colonization, and cultural interaction between the Greek world, the Near East, and Egypt. No knowledge of Greek is expected.

FORMAT: Lecture| Discussion

PREREQUISITE: Students must be beyond the first year.

CROSS-LISTING: HIST 2088.03

CLAS 2215 The Classical Greek World: Athens, Sparta, and a Century of Conflict

CREDIT HOURS: 3

A history of Classical Greek culture from the rise of Athens and Sparta as the dominant Greek city-states to the fall of Athens in the Peloponnesian Wars and the death of Socrates. Topics to be discussed include the rise of democracy, the culture and society of the Athenian 'Golden Ages', drama, art and architecture, empire building, and the Greeks at war, first with the Persian Empire and then with each other. No knowledge of Greek is expected.

FORMAT: Lecture| Discussion

PREREQUISITE: Students must be beyond the first year.

CROSS-LISTING: HIST 2016.03

CLAS 2216 Alexander the Great and the Hellenistic Kings: Transforming Ancient East and West

CREDIT HOURS: 3

A history of Late Classical and Hellenistic Greek culture from the end of the Peloponnesian Wars through the empire of Alexander the Great to the Hellenistic World. Topics to be discussed include relations between and among the Greek city-states and the Persian Empire, developments in art, religion, literature, and philosophy, the career and legacy of Alexander, and the new world order of kings and kingdoms he ushered in. No knowledge of Greek is expected.

FORMAT: Lecture| Discussion

PREREQUISITE: Students must be beyond the first year.

CROSS-LISTING: HIST 2089.03

CLAS 2220 Ancient Israel

CREDIT HOURS: 3

Students will become familiar with the broad outlines of ancient Israelite history with specific attention to Israel's relationship to her immediate neighbours and the major imperial powers from the 2nd millennium BCE to first century CE. This will entail an initial survey of biblical texts in order to lay an adequate understanding of ancient Israel's self-conception, followed by a detailed survey of Israel's interaction with other nations, including early Mesopotamia, Egypt, Assyria, Babylon, Persia, the Seleucid empire, and Rome.

FORMAT: Lecture| Seminar

CROSS-LISTING: HIST 2520.03/RELS 2220.03

CLAS 2231 The Rise of Rome: Consuls, Classes, and World Conquest

CREDIT HOURS: 3

How did a little village conquer the world? This course follows Rome's gradual expansion across Latium, Italy, and finally the whole Mediterranean. Questionable myths, aggressive literature, fiery rhetoric, and political propaganda complement the archaeological record as we trace the development and decadence of Republican institutions and the Republic's descent into shattering civil war. Class tensions, continuous foreign conflict, and still famous figures like Brutus, Cato, Cicero, and

Caesar feature prominently in this vigorous study of a paradigmatic political and social problem: the destiny of Republican Rome. Students will be expected to familiarise themselves with both primary and secondary materials, but no knowledge of Latin is required. The material covered in this course is continued in CLAS 2232 / HIST 2091.

FORMAT: Lecture| Discussion

PREREQUISITE: Prior fulfillment of the writing requirement

CROSS-LISTING: HIST 2090.03

CLAS 2232 The Fall of Rome: Caesars, Saints, and Warlords

CREDIT HOURS: 3

Rome did not fall in a day, or even a century. If the period of Imperial power includes Rome's decadence, it also includes its greatest power and glory. In this chronological survey of the Roman Empire, we will trace the rise of autocracy, the causes of rare but ferocious civil wars, and the transformation of Roman political institutions from Augustus to Diocletian. A lively look at the growth of urban life in the West, at the limits of Roman identity throughout the empire, at the fearful economic and military crisis of the 3rd century, at the adoption of official Christianity, and at the challenges of foreign invasion will lead us to ponder whether the "Decline and Fall" model of Roman imperial history is still valid. Students will be expected to familiarise themselves with both primary and secondary materials, but no knowledge of Latin is required. This course is a continuation of the material covered in CLAS 2231 / HIST 2090 but that is not a prerequisite.

CROSS-LISTING: HIST 2091.03

CLAS 2233 Roman Legions and the Barbarians

CREDIT HOURS: 3

This course examines the origins, refinement, and eventual collapse of the Roman military machine. Grand strategy, field tactics, and the analysis of specific battles complement our study of the changing relationship between the army and Roman society and the former's role in building and breaking the political order from 500 BC to 500 AD.

FORMAT: Lecture

CROSS-LISTING: HIST 2023.03

CLAS 2234 Death, Sex, and Gold in the Ancient Roman World

CREDIT HOURS: 3

We will explore ancient Roman beliefs and practices concerning the afterlife, sexuality, the social duties of men and women, marriage, family life, and slavery. Gladiatorial games, funerals, brothels, temples, and markets are just some of the places at which Romans defined, defended, and denounced each others' identities as mortal, sexual, and economic players. A journey into often alien, always elusive, sometimes alluring aspects of the pre-Christian Mediterranean.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2092.03

CLAS 2281 Christian Beginnings: The Orthodox and Oriental Churches

CREDIT HOURS: 3

This course traces the development of Christianity from its origin as a Jewish sect to its status as the dominant religion within the Byzantine Empire. The Christian religion as patronized by the Eastern Roman Emperors identified itself with the persecuted Christian sect of the first three centuries through the cult of the martyrs, articulated in the increasing importance of relic, icon, and pilgrimage to holy place. The seven ecumenical councils (325-787) progressively defined the Orthodox faith and resulted in the rise of Oriental churches, rejecting aspects of the definitions. Through to our end-date of 843 (when the icon was finally accepted) themes will be treated by attention to historical events (including the rise of Islam), art, architecture, liturgy, and various genres of literature (including hagiography).

FORMAT: Lecture

CROSS-LISTING: RELS 2281.03

EXCLUSIONS: CLAS 3280X/Y.06

CLAS 2361 Ancient Philosophy: From Thales to Plato

CREDIT HOURS: 3

This course covers the period in Ancient Philosophy from Thales to Plato: Pre-Socratics, Sophists, Minor Socratics, and selected Platonic dialogues. The period from Aristotle to Plotinus is covered in CLAS 2362.03.

FORMAT: Lecture

CROSS-LISTING: PHIL 2361.03

CLAS 2362 Ancient Philosophy: From Aristotle to Plotinus

CREDIT HOURS: 3

This course covers the period in Ancient Philosophy from Aristotle to Plotinus: selected texts of Aristotle, Stoicism, Epicureanism, Pyrrhonian and Academic Scepticism, Middle Platonism, Neoplatonism.

FORMAT: Lecture

CROSS-LISTING: PHIL 2362.03, RELS 2362.03

CLAS 2365 Plato and the Case of Socrates: Philosophy on Trial

CREDIT HOURS: 3

Socrates (469-399 BCE) never wrote a single word, but posed such threat to Athens that a jury put him to death for the alleged ethical corruption and impiety of his thought. This course will explore the revolutionary life and thought of Socrates, and consider whether the jury's decision against him was justified.

FORMAT: Lecture

CROSS-LISTING: RELS 2365, PHIL 2365

CLAS 2366 Gods, Beasts and The Political Animal: Plato, Aristotle, and their Legacy

CREDIT HOURS: 3

We will study some of the most important Platonic dialogues and Aristotelian treatises, to understand the supremely influential views of Plato and Aristotle on divinity, nature, the human, and political community. We will examine the rejection of Platonic-Aristotelian idealism by Stoic, Epicurean and Skeptical schools. Subjects treated include ethics, politics, metaphysics, logic, aesthetics, and psychology.

FORMAT: Lecture

CROSS-LISTING: RELS 2366, PHIL 2366

CLAS 2500X/Y Introductory Ancient Greek

CREDIT HOURS: 6

The course is an introduction to ancient Greek language through the study of its basic grammar. No previous study or experience of Greek is required or expected. The aim of this course is to give students sufficient preparation to read basic passages of ancient Greek texts and to pursue further intermediate studies in ancient Greek. There are no prerequisites for this course; this is an introductory course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

EXCLUSIONS: CLAS 1700; CLAS 2710

CLAS 2515 Myth into Film I: The Greek World

CREDIT HOURS: 3

An introduction to classical myth and culture through the medium of film. Cinema has always drawn on different historical periods, yet its connection with the ancient world remains one of the most significant. This course explores cinema's reconstruction and interpretation of the ancient world, using both ancient and modern sources.

FORMAT: Lecture| Discussion

CLAS 2600 Sanskrit II

CREDIT HOURS: 3

This course develops further the basic grammar and vocabulary of Introductory Sanskrit I, emphasizing the basic past tense verbal systems, participial formations, and translation of simple Sanskrit texts.

PREREQUISITE: RELS 1600.03 or CLAS 1600.03

CROSS-LISTING: RELS 2600.03

CLAS 2700X/Y Intermediate Greek

CREDIT HOURS: 6

This course is a continuation of the study of ancient Greek language at the intermediate level. It continues the study of the language begun introductory ancient Greek. In the course, students review and complete their study of Greek grammar before reading ancient Greek texts in their original language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 2500 or CLAS 1700X/Y.06 or 2710X/Y.06

CLAS 2800X/Y Intermediate Latin

CREDIT HOURS: 6

This course is a continuation of Introductory Latin at the intermediate level. It is a study of the poetry and prose literature of Rome through a selection of texts.

Particular attention is paid to improving the students' command of the grammar and syntax of the Latin language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 1800X/Y.06 or 2810X/Y.06

CLAS 2900X/Y Intermediate Hebrew

CREDIT HOURS: 6

A continuation of grammar study and translation of selected texts from the Hebrew scriptures.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: CLAS 1901.03 and 1902.03 or equivalent

CLAS 3016 Meetings Between Hellenism and the East to Philo the Jew

CREDIT HOURS: 3

We consider the constitution of Hellenism in relation to Eastern cultures as this emerges in Homer and Herodotus, the emergence of philosophy and the polis. With Alexander and the Hellenistic empires we look at the results and limits of military conquest especially in what is now Afghanistan. The course concludes with the constitution of Jewish religion and culture and its meeting with Hellenism with Philo Judaeus in Alexandria. In order to integrate the presentation of text and art the lectures are all in Powerpoint.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3016, RELS 3018

EXCLUSIONS: CLAS 2300, CLAS 3015, HIST 3015, RELS 2004

CLAS 3017 Meetings Between Hellenism, Judaism, Christianity and Islam until the Renaissance

CREDIT HOURS: 3

We consider the constitution of Christianity in relation to Hellenism and Judaism during the first six centuries of the Christian era. After treating the constitution of Islam, we consider its meetings with Christianity and Judaism especially in Spain and Norman Sicily. We conclude with medieval Jewish, Christian and Islamic philosophical theologians. Integrating the presentation of text and art the lectures are all in PowerPoint.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3017, RELS 3019

EXCLUSIONS: CLAS 2300, CLAS 3015, HIST 3015, RELS 2004

CLAS 3021 Ancient Art and Architecture from the Pyramids to the Forum

CREDIT HOURS: 3

This course offers an introduction to the art and architecture of the ancient Near Eastern and Classical worlds, with an emphasis on understanding cultures through their artistic and material remains. Various types and forms of artistic expression will be considered as they develop and change over time and space in their social, political, intellectual, and religious contexts.

FORMAT: Lecture| Discussion

PREREQUISITE: At least one full credit in Classics at the second year or above, or permission of the instructor.

EXCLUSIONS: CLAS 2021.03

CLAS 3205 Fall of the Roman Republic

CREDIT HOURS: 3

This course covers the end of republican Rome and its metamorphosis into the Augustan Principate. Literary texts, read in English translation, as well as art and architecture, are considered as elements of a study of Roman political, cultural, and religious history. There is no foreign language requirement.

FORMAT: Lecture| Discussion

PREREQUISITE: CLAS 1010.03, CLAS 2231.03/HIST 2090.03, CLAS 2232.03/HIST 2091.03 or permission of Instructor.

CROSS-LISTING: HIST 3020.03

CLAS 3282 Christian Beginnings: Catholicism

CREDIT HOURS: 3

This course will consider the formation of Catholicism (Latin Christianity) up to the 12th century in relation to the Greco-Roman context and the barbarian invasions. Moving from North Africa to Western Europe, and using a combination of text, music and artistic, architectural, and archaeological evidence, it will examine the formation of doctrine and discipline in relation to schisms, heresies and Hellenic philosophy, the origin and developments of western monasticism, the papacy, church and state relations, and the construction of liturgy. A theme will be the interplay between the centrifugal and centripetal.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 3282.03

EXCLUSIONS: CLAS 3280X/Y.06, CLAS 2282.03, RELS 2282.03

CLAS 3283 Gods in the Flesh: Iamblichus and Anselm

CREDIT HOURS: 3

Presents two opposed arguments for the union of divinity with the sensuous and human ("incarnation") and looks at one instance of how they meet: Iamblichus, *On the Mysteries*, Anselm, *Why the God-man*, Bonaventure, *The Journey of the Mind into God*. We shall look at how these arguments bridge the pagan / Christian, philosophy / theology / religion, Orthodox / Catholic, and Greek / Latin divides.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 3283.03

ASSESSMENT METHOD: Two take home examinations worth 30% and 70% respectively.

CLAS 3381 Medieval Philosophy from Augustine to Anselm

CREDIT HOURS: 3

A study of texts, primarily within the Latin tradition from Augustine to Anselm, but including selected writings of the Pseudo-Dionysius. Three works will normally be read in their entirety: Boethius, *Consolation of Philosophy*; Dionysius, *Mystical Theology*; Anselm, *Proslogion*. The main interest is the use and transformation of the philosophy of Plato, Aristotle, the Stoics and the Neoplatonists in this development.

FORMAT: Lecture

CROSS-LISTING: RELS 3381.03, PHIL 2381.03

EXCLUSIONS: CLAS 3380X/Y.06, PHIL 2380X/Y.06

CLAS 3382 Medieval Philosophy from Arabic and Jewish thinkers to Aquinas

CREDIT HOURS: 3

A study of texts which reflect the transformation of the ancient philosophical tradition within the works of medieval Arabic and Jewish thinkers and of the Latin Christians to whom they mediated ancient philosophy. Selections from al-Farabi, Moses Maimonides, Averroes, and Aquinas, among others will be read. Bonaventure's *The Mind's Journey into God* will be read in its entirety.

FORMAT: Lecture

PREREQUISITE: CLAS 3381 or PHIL 2381 or permission of the instructor

CROSS-LISTING: RELS 3382.03, PHIL 2382.03

EXCLUSIONS: CLAS 3380X/Y.06, PHIL 2380X/Y.06

CLAS 3400X/Y The Dialogues of Plato

CREDIT HOURS: 6

This seminar involves the detailed study of a group of dialogues. The choice of dialogues varies from year to year.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CLAS 3401 Plato

CREDIT HOURS: 3

A careful reading of a selection of Platonic dialogues. The dialogues studied will vary from year to year.

FORMAT: Seminar

PREREQUISITE: CLAS/RELS/PHIL 2365 or CLAS/RELS/PHIL 2366 or CLAS/PHIL 2361 or CLAS/RELS 3262 or permission from instructor.

CROSS-LISTING: CLAS 5613.03

EXCLUSIONS: CLAS 3400.03, CLAS 5603.03

CLAS 3411 Augustine's *Confessions* I: Books 1-9

CREDIT HOURS: 3

This course will examine the first nine books of Augustine's *Confessions*. These 'autobiographical' books contain Augustine's account of his intellectual progress, culminating in his encounter with Platonism in book 7, followed by an account of his conversion to Christianity and his life as a Christian in books 8 and 9.

FORMAT: Seminar

CROSS-LISTING: RELS 3411.03

EXCLUSIONS: CLAS/RELS 3410.06

CLAS 3412 Augustine's *Confessions* II: Books 10-13

CREDIT HOURS: 3

This course will examine the last four books of *Confessions*. Book 10 marks the transition from autobiography to Augustine's account of his present psychological life, undertaken in order to know himself as he is known by God. Books 11-13 are an exegesis of the beginning of the book of Genesis.

FORMAT: Seminar

CROSS-LISTING: RELS 3412.03
EXCLUSIONS: CLAS/RELS 3410.06

CLAS 3413 Augustine's Confessions

CREDIT HOURS: 3

A study of the 13 books of Augustine's Confessions.

FORMAT: Seminar

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: RELS 3413.03

EXCLUSIONS: CLAS 3410.06; CLAS 3411.03; CLAS 3412.03; RELS 3410.06; RELS 3411.03; RELS 3412.03

CLAS 3431 St. Augustine's *On the Trinity* Part 1

CREDIT HOURS: 3

A study of Books 1-7 of Augustine's *De Trinitate*, in which he establishes what is the orthodox teaching about God through scripture and a consideration of the categories of substance, relation and act.

FORMAT: Seminar

CROSS-LISTING: RELS 3431.03

CLAS 3432 St. Augustine's *On the Trinity* Part 2

CREDIT HOURS: 3

A study of Books 8-15 of Augustine's *De Trinitate*, in which he attempts to understand what has been shown in the first 7 books (the orthodox teaching about God through Scripture and a consideration of the categories of substance, relation and act) through the distinction of *scientia* and *sapientia*.

FORMAT: Seminar

CROSS-LISTING: RELS 3432.03

CLAS 3434 The Ancient Origins of Political Thought: From Homer to Aristotle

CREDIT HOURS: 3

This course will study the very beginnings of political thought with Greek poets, historians and educators, culminating in a careful investigation of the political writings of Plato and Aristotle. We will investigate philosophical questions about the origin of the state, the purpose of political community, the different kinds of regimes or constitutions, the common good, individual freedoms, revolution, war, wealth, poverty, and slavery.

FORMAT: Lecture| Tutorial

CROSS-LISTING: POLI 3434.03, PHIL 3434.03

CLAS 3500X/Y Aristotle

CREDIT HOURS: 6

This seminar involves the detailed study of either Aristotle's *Metaphysics* or *De Anima* or *Physics* or ethical and political treatises. The choice of texts varies from year to year. RECOMMENDED: CLAS 2361.03/2362.03

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Seminar

CLAS 3501 Herodotus: Father of History, Father of Lies

CREDIT HOURS: 3

This course explores the conflict between Persia and the Greeks as narrated by the 'father of history/father of lies' as a story of exotic cultures, dramatic and bizarre events, and the actions of kings, despots, demagogues, warriors (with texts in English translation).

FORMAT: Seminar

CLAS 3502 Thucydides and the Greek World at War

CREDIT HOURS: 3

This course explores the world of warring Greek city-states, alliances and empire-building, meddling superpowers, and rival polities and politicians in the Mediterranean in the 5th Century BC as recounted by Thucydides (in English translation)

FORMAT: Seminar

CROSS-LISTING: HIST 3502.03

CLAS 3503 Aristotle

CREDIT HOURS: 3

A careful reading of an Aristotelian treatise, or selections from several treatises. The treatise studied will vary from year to year .

FORMAT: Seminar

PREREQUISITE: CLAS/PHIL/RELS 2365 or CLAS/PHIL/RELS 2366 or CLAS/PHIL 2361 or CLAS/PHIL 2362, or permission from instructor

CLAS 3515 Greek Tragedy

CREDIT HOURS: 3

Greek tragedy was a product of the democratic society of fifth century Athens and played a vital role in the life of the community. This course explores the nature and development of the tragic genre through a study of the plays of Aeschylus, Sophocles, and Euripides in translation. The tragedies are examined as literary texts and in terms of their mythical background and cultural context. Topics to be studied include the conventions of the genre; the nature of tragic heroism; aspects of staging and performance; ancient & modern theories of tragedy.

FORMAT: Lecture| Discussion

PREREQUISITE: Students must be beyond first year.

EXCLUSIONS: CLAS 3510X/Y.06

CLAS 3516 Ancient Comedy

CREDIT HOURS: 3

Ancient Comedy ranges from the boisterous and bawdy plays of Old Comedy through the domestic and romantic 'tragicomedies' of Euripides to the boy-meets-girl

stories of Greek and Roman New Comedy. This course examines the origins and development of the comic genre in the Greek and Roman world through a study of the plays of Aristophanes, Euripides, Menander, Plautus, and Terence in translation. It considers the nature of comedy and its function within society as well as the basic techniques and conventions of the genre itself. Topics to be studied include the 'comic hero'; comic stereotypes; types of humor; the relationship between actor & spectator.

FORMAT: Lecture| Discussion

PREREQUISITE: Students must be beyond first year.

EXCLUSIONS: CLAS 3510X/Y.06

CLAS 3525 Ancient Greek Epic

CREDIT HOURS: 3

This course is designed to introduce students to the heroic epics of the Ancient Greek world. Texts are read in translation and will be selected from the works of Hesiod, Homer, and Apollonius of Rhodes. Topics to be discussed will include the cultural background of the Homeric world; the nature of oral poetry; oral vs. literate culture; conventions of the epic genre; the heroic code; the relationship between the human and divine world.

FORMAT: Lecture| Seminar

PREREQUISITE: Students must be beyond first year.

CLAS 3601 Arab Caliphs, Turkish Commanders, and Persian Viziers: Islamic History, 750-1200

CREDIT HOURS: 3

Please see description for HIST 3509.03 in the History section of this calendar.

FORMAT: Lecture| Discussion

PREREQUISITE: HIST 2502.03 or 2503.03 or permission of instructor

CROSS-LISTING: HIST 3509.03

CLAS 3602 Ancient and Medieval History of the Persianate World

CREDIT HOURS: 3

Please see description for HIST 3511.03 in the History section of this calendar.

FORMAT: Lecture| Discussion

PREREQUISITE: HIST 2502.03 or 2503.03 or CLAS 1010X/Y.06 or permission of instructor

CROSS-LISTING: HIST 3511.03

CLAS 3661 Hellenistic Philosophy: Stoics and Epicureans

CREDIT HOURS: 3

A study of philosophy in the Hellenistic Age. We will investigate the development of Greek and Roman philosophy after Aristotle, focusing on Stoicism and Epicureanism. The course covers the logic, physics, and ethics of these philosophical schools, as well as their religious dimension.

FORMAT: Seminar

PREREQUISITE: CLAS 2361.03 and 2362.03 or permission of instructor

CROSS-LISTING: RELS 3661.03

CLAS 3662 Hellenistic Philosophy – From Scepticism to Neoplatonism

CREDIT HOURS: 3

A study of philosophy in the Hellenistic Age. We will investigate the development of Greek and Roman Philosophy, focusing on Pyrrhonian and Academic Scepticism, as well as Middle Platonism. The course covers the logic, physics, and ethics of these philosophical schools, as well as their religious dimension.

PREREQUISITE: CLAS 2361.03 and 2362.03 or permission from instructor

CROSS-LISTING: RELS 3662.03

EXCLUSIONS: CLAS 4602.03, RELS 4602.03

CLAS 3700X/Y Advanced Greek

CREDIT HOURS: 6

This course, which reads both a prose and a poetic work, is the normal third year course in Greek.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 2700X/Y.06

CLAS 3710X/Y Greek Epic

CREDIT HOURS: 6

A study of the Greek epic poetry of Homer and Hesiod in the original language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06 or permission of the instructor

CLAS 3720X/Y Greek Lyric

CREDIT HOURS: 6

A study of lyric poets such as Sappho, Archilochus, Simondides in the original language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06 or permission of the instructor

CLAS 3730X/Y Greek Drama: Tragedy

CREDIT HOURS: 6

A study of the Greek tragedians, Aeschylus, Sophocles, and Euripides in the original language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06

CLAS 3731 Greek Drama: Tragedy I

CREDIT HOURS: 3

A study of the Greek tragedians, Aeschylus, Sophocles, and Euripides in English translation.

FORMAT: Seminar

CROSS-LISTING: THEA 3731.03

EXCLUSIONS: CLAS 3730X/Y.06, CLAS 3515.03

CLAS 3732 Greek Drama: Tragedy II

CREDIT HOURS: 3

A study of the Greek tragedians, Aeschylus, Sophocles, and Euripides in English translation.

FORMAT: Seminar

EXCLUSIONS: CLAS 3730X/Y.06, CLAS 3515.03

CLAS 3750X/Y Greek Authors

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06

CROSS-LISTING: PHIL 3750X/Y.06

CLAS 3760X/Y Reading and Research of Greek Texts

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06

CLAS 3780 Greek Historians

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 3700X/Y.06

CLAS 3800X/Y Roman Satire

CREDIT HOURS: 6

This course covers the origins and development of Latin satire, the only literary genre native to the Romans. Authors to be studied will typically include Horace, Juvenal, Lucilius and Ennius.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CLAS 3810X/Y A Study of Vergil

CREDIT HOURS: 6

A study of the development and importance of Vergil's basic themes and ideas embodied in the Aeneid. In the first part of the course special attention is given to his early work the Bucolics, where his themes begin to appear, and their development is then followed through the relevant parts of the Georgics. The main part of the course is devoted to the reading and discussion of the chief themes of the Aeneid, especially as they illustrate Roman political, religious and social ideas which have greatly influenced our own beliefs and institutions.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 2800X/Y.06

CLAS 3820X/Y Advanced Latin Literature: Augustan Poetry and Prose

CREDIT HOURS: 6

A study of selected texts of poetry and prose with an emphasis on the Augustan period. Authors studied may include Virgil, Ovid and Livy, among others. The course is primarily intended to strengthen students' command of Latin language, but attention is given to literary and historical matters as well.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 2800X/Y.06

CLAS 3840X/Y Latin Philosophical Texts

CREDIT HOURS: 6

The purpose is to give students experience in reading philosophical Latin. The texts are normally chosen from medieval authors like Anselm, Aquinas, and Bonaventure.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: First-year Latin or its equivalent

CLAS 3841 Latin Philosophical Texts: Aquinas

CREDIT HOURS: 3

The purpose of this course is to give students experience in reading philosophical Latin. The texts will be chosen from the works of Aquinas.

FORMAT: Seminar
PREREQUISITE: First year Latin or its equivalent
EXCLUSIONS: CLAS 3840X/Y.06

CLAS 3842 Latin Philosophical Texts: Anselm and Bonaventure

CREDIT HOURS: 3

The purpose of this course is to give students experience in reading philosophical Latin. The texts will be chosen from the works of Anselm and Bonaventure.

FORMAT: Seminar

PREREQUISITE: First year Latin or its equivalent.

EXCLUSIONS: CLAS 3840X/Y.06

CLAS 3850X/Y Reading and Research of Latin Texts

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: CLAS 2800.06

CLAS 3900X/Y Philosophy of Aristotle

CREDIT HOURS: 6

The general scope of the Aristotelian Philosophy - the understanding of nature, the City, the aesthetic experience of humanity - is considered in relation to the argument of the *Metaphysics* or 'First Philosophy'.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CLAS 3910X/Y Neoplatonism: Plato and Neoplatonism

CREDIT HOURS: 6

The philosophy of Plotinus and later thinkers considered as the resume of Greek Philosophy; in particular the role of Plato and other older philosophers in the formation of Neoplatonism is a principal interest. Given alternately with CLAS 3900.06. RECOMMENDED: CLAS 2361.03/2362.03

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CLAS 4010 Islamic Philosophy: al-Ghazali

CREDIT HOURS: 3

Abu Hamid al-Ghazali (1058-1111) is one of the greatest Muslim thinkers of all time. This course is an introduction to his thought, focusing on al-Ghazali's "two-tier" approach to theology – exoteric theology for the masses and esoteric theology for the select few – and on his attitude to Islamic philosophy and Islamic mysticism (Sufism).

FORMAT: Seminar

CROSS-LISTING: RELS 4010.03, CLAS 5817

CLAS 4011 Jewish Philosophy: Maimonides

CREDIT HOURS: 3

Moses Maimonides (1135-1204) is one of the greatest Jewish thinkers of all time. This course is an introduction to his philosophical and legal writings, with special emphasis on his famous treatise *The Guide of the Perplexed*. Maimonides' stance on such issues as God's incorporeality, creation, and prophecy will be compared to that of other varieties of Judaism.

FORMAT: Lecture| Seminar

PREREQUISITE: Students must have completed 5 full credits of university study and RELS 2001.03 or RELS 3382.03/CLAS 3382.03/PHIL 2382.03, or permission of the instructor

CROSS-LISTING: RELS 4011.03

CLAS 4018 Christian Theology in the Lands of Islam: John of Damascus

CREDIT HOURS: 3

John of Damascus (d. 749) is one of the greatest Christian theologians of the Patristic age. Though he wrote in Greek, he was a Christian Arab (his Arabic name is Mansur ibn Sarjun), who lived under Muslim rule and was employed as a public official in the Umayyad administration in Damascus. The course will focus on his theological works (especially his *summa* of Christian theology, entitled *On the Orthodox Faith*, and his three treatises in defence of the icons), their Christian sources, and their Islamic context.

PREREQUISITE: At least one of RELS 1002.03, RELS 2004.03, RELS 2281.03, RELS 2282.03 RELS 3009.03 Foundation Year Program or permission of instructor

CROSS-LISTING: RELS 4018.03

CLAS 4019 Philo Judaeus

CREDIT HOURS: 3

Reconciling Jewish Scripture and Plato, Philo culminates Second Temple Jewish thought and founds the Christian treatment of Scripture. He is the most influential Jewish theologian and presents the High Priest as priest of the cosmos so he is crucial both to understand our past the to carry us into the future.

FORMAT: Seminar

PREREQUISITE: At least one course at the second year or above in CLAS or RELS

CROSS-LISTING: RELS 4019.03

CLAS 4060 The Consolation of Philosophy

CREDIT HOURS: 3

Boethius's *Consolation* is a strange example of Menippean satire, which is itself a strange genre. This class will consider the poetry, the prose and, most significantly, how these elements are combined in order to achieve the goal of the work, which is to offer consolation to the reader.

FORMAT: Seminar

PREREQUISITE: Three years of undergraduate Latin or the permission of the instructor

CLAS 4100 Reading and Research in Latin Texts

CREDIT HOURS: 3

Advanced reading of a Latin author or genre with attention to secondary literature and the critical reception of the works in question.

FORMAT: Seminar

PREREQUISITE: CLAS 3810X/Y.06 or CLAS 3820X/Y.06, or permission of the instructor.

CLAS 4401 Philosophy of the Greek Church Fathers

CREDIT HOURS: 3

This seminar involves the detailed study of a text, or group of texts, from one or more of the Greek Church Fathers. The choice of text varies from year to year, in relation to the needs and interests of students.

FORMAT: Seminar

PREREQUISITE: At least one of RELS 1002.03, RELS 2281.03, RELS 2282.03, RELS 3309.03, Foundation Year Program, or permission of instructor

CROSS-LISTING: RELS 4402.03

EXCLUSIONS: CLAS 4400X/Y.06

CLAS 4402 Philosophy of the Latin Church Fathers

CREDIT HOURS: 3

This seminar involves the detailed study of a text, or group of texts, from one or more of the Latin Church Fathers. The choice of text varies from year to year, in relation to the needs and interests of students.

FORMAT: Seminar

PREREQUISITE: At least one of RELS 1002.03, RELS 2281.03, RELS 2282.03, RELS 3009.03, Foundation Year Program, or permission of instructor

CROSS-LISTING: RELS 4402.03

EXCLUSIONS: CLAS 4400X/Y.06

CLAS 4450X/Y Medieval Interpreters of Aristotle

CREDIT HOURS: 6

The course considers Latin philosophical texts of the Middle Ages. Given alternately with CLAS 4500X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CROSS-LISTING: RELS 4450.06

CLAS 4500X/Y Seminar on Neoplatonism

CREDIT HOURS: 6

The course considers the origin and nature of Greek Neoplatonism. Given alternatively with CLAS 4450X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CLAS 4530X/Y Seminar on Ancient Religion: Classical Antiquity to the Rise of Christianity

CREDIT HOURS: 6

Selected topics from the transition from Classical to Christian culture are studied. Particular attention is paid to the connection between religious innovation and the effect of the new beliefs on literature, art and philosophy.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CROSS-LISTING: CLAS 5530X/Y.06

CLAS 4540 Ammianus Marcellinus and his World

CREDIT HOURS: 3

This course approaches the history and culture of the fourth century AD through its most important historian, Ammianus Marcellinus. The course will focus on (but not be limited to) a careful study of Books 14-25 of the *Res Gestae*, which span the reign of Ammianus' hero, Julian the Apostate.

FORMAT: Seminar

PREREQUISITE: CLAS 3810X/Y.06 or CLAS 3820X/Y.06 or permission of instructor.

CROSS-LISTING: CLAS 5540.03

CLAS 5613 Plato

CREDIT HOURS: 3

A careful reading of a selection of Platonic dialogues. The dialogues studied will vary from year to year.

FORMAT: Seminar

CROSS-LISTING: CLAS 3401.03

EXCLUSIONS: CLAS 3400.03, CLAS 5603.03

CLAS 5817 Islamic Philosophy: al-Ghazali

CREDIT HOURS: 3

Abu Hamid al-Ghazali (1058-1111) is one of the greatest Muslim thinkers of all time. This course is an introduction to his thought, focusing on al-Ghazali's "two-tier" approach to theology – exoteric theology for the masses and esoteric theology for the select few – and on his attitude to Islamic philosophy and Islamic mysticism (Sufism).

FORMAT: Seminar

CROSS-LISTING: CLAS 4010.03, RELS 4010.03

Contemporary Studies

Location:

Building/Room: University of King's College

Street Address 1: 6350 Coburg Road

Street Address 2: Arts & Administration Building

P.O. Box:

Halifax, NS B3H 2A1

Telephone: (902) 422-1271

Fax: (902) 423-3357

Website: www.dal.ca/academics/undergraduate_programs/contemporary.html

Email Address: admissions@ukings.ca

Introduction

The world is becoming more diverse and complex, and our assumptions about it are constantly challenged. The Contemporary Studies Program tries to make sense of today's world as a whole by considering the important writers, thinkers and artists of the 19th, 20th and 21st century, both on their own terms and in relation to some of the fundamental themes of our time. The three 'core' courses give students a framework for understanding political, scientific, and aesthetic phenomena in the twentieth century. The non-required courses focus on various aspects of these often contradictory contemporary phenomena.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Director

Boos, S., BA (Queen's), MA, PhD (York)

Teaching Staff at the University of King's College

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Glowacka, D., MA (Wroclaw), MA, PhD (SUNY)

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Robertson, N., BA (Vind), MA (Dalhousie), PhD (Cantab)

Teaching Staff at Dalhousie University

Brittan, A., BA, MA (Toronto), PhD (Pennsylvania)

Enns, A., BA (North Carolina), MA, PhD (Iowa)

Combined Honours

The Contemporary Studies Program (CSP) offers a Combined Honours BA program offered jointly by Dalhousie University and the University of King's College. The departmental offerings in the Contemporary Studies Program at Dalhousie include the other honours subject and a number of possible electives. The other honours subject must be selected from the following list of Dalhousie departments and programs: In Arts: Canadian Studies, Classics, Creative Writing, English, French, Gender and Women's Studies, German, History, International Development Studies, Italian, Music, Philosophy, Political Science, Religious Studies, Russian, Sociology and Social Anthropology, Spanish, and Theatre. In Science: Biochemistry, Biology, Chemistry, Computer Science, Earth Science, Economics, Environmental Science, Mathematics, Microbiology and Immunology, Neuroscience, Physics, Psychology, and Statistics. Contemporary Studies can also be taken in combination with Environment, Sustainability and Society.

Electives may be taken in any of the above-mentioned departments and programs, as well as in the following subjects: Early Modern Studies, and History of Science and Technology. In addition, some professors in the Dalhousie Faculty of Arts and Social Sciences are members of the Contemporary Studies teaching staff and offer courses at King's.

All students must meet the general requirements of the Faculty of Arts and Social Sciences as detailed in the Degree Requirements section of this calendar. Students who are eligible to take an honours degree are urged to apply to the Contemporary Studies Program. Because it is an honours program, the quality of work required is higher than that required in a 90 credit hours minor or 120 credit hours major program.

Applications for admission must be made to the Dalhousie department concerned and to the Contemporary Studies Office at King's on forms available from the Registrar at either Dalhousie or King's. Students normally enroll in CTMP 2000X/Y.06 (the first "core" course) in their second year, and register for the Combined Honours program in either second or third year. For each individual student the entire degree program, including elective courses, is subject to supervision and approval by the Dalhousie department concerned and by the Director of Contemporary Studies.

All Contemporary Studies Program students are encouraged to acquire competence in languages through appropriate courses which are relevant to their degree, interests, and future plans.

The joint Dalhousie/King's Contemporary Studies program is based on the general requirement that the 120 credit hours required to graduate include:

1. Completion of either the King's Foundation Year Program (either the three or the four course version) or at least two appropriate first year full courses at Dalhousie:
 - o Classics: CLAS 1010X/Y.06, CLAS 1100X/Y.06, CLAS 1800X/Y.06
 - o English: ENGL 1000X/Y.06;
 - o History: HIST 1004X/Y.06, HIST 1501.03, HIST 1502.03, HIST 1701.03, HIST 1702.03
 - o Music: MUSC 1000X/Y.06, MUSC 1350.03 and MUSC 1351.03;
 - o Philosophy: PHIL 1000X/Y.06, PHIL 1010X/Y.06;
 - o Political Science: POLI 1010.03, POLI 1015.03, POLI 1020.03, POLI 1025.03, POLI 1030.03, POLI 1035.03, POLI 1100X/Y.06, POLI 1103X/Y.06;
 - o Religious Studies: RELS 1001.03, RELS 1002.03;
 - o Sociology and Social Anthropology: SOSA 1000X/Y.06, SOSA 1050X/Y.06, SOSA 1100X/Y.06, SOSA 1200X/Y.06;
 - o Mathematics:
2. A minimum of 66 and a maximum of 84 credit hours beyond the 1000-level in the two honours subjects, but not more than 48 nor fewer than 30 credit hours being in either of them.
3. The three "core" courses in Contemporary Studies: CTMP 2000.06, CTMP 3000.06, CTMP 4000.06.
4. At the conclusion of an honours program a student's record must show a grade which is additional to the grades taken to complete the required 120 credit hours. In a combined honours program, students may obtain this grade in either of the honours subjects. Students fulfilling this requirement in Contemporary Studies submit a research paper and defend it at an oral examination. They must enrol in the non-credit CTMP 0455.00, the Honours Thesis Seminar.

Please Note:

Students may take an Independent Readings course only when they reach their third or fourth year. There are three options for this course, but only one full course or the equivalent may be taken in a year. No more than two full courses of this type may be taken during a CTMP degree. The permission of a member of the teaching staff and the director is necessary in order to take these courses, and their availability is strictly limited.

Minor in Contemporary Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Contemporary Studies must complete between 18 and 27 credit hours at the 2000 level or above.

This must include at least six credit hours at the 3000 or 4000 level (CTMP 3000.06 or CTMP 4000.06 will also fulfill this requirement), and six credit hours from:

- CTMP 2000.06
- CTMP 3000.06
- CTMP 4000.06

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Courses Offered at the University of King's College

All courses offered in Contemporary Studies require that students have completed at least one year of university study (minimum 30 credit hours) prior to enrolment.

Course Descriptions

CTMP 0455X/Y Honours Thesis Seminar in Contemporary Studies

CREDIT HOURS: 0

Students intending to complete an honours thesis are required to register in the Honours Thesis Seminar. Seminars will be held four times during the year. Students will meet with the Director to discuss the expectations and requirements of the honours thesis in preparation for a thesis defence that takes place in March. Specific topics include: selecting a topic and supervisor, thesis format, discussion of thesis proposals and application to graduate school, and scholarships.

FORMAT: Seminar

PREREQUISITE: Approval of Director required.

CTMP 2000X/Y Modern Social and Political Thought: From Humanism to Anti-humanism and Back Again

CREDIT HOURS: 6

This course will examine some of the greatest works of modern political theory, literature and philosophy. We will follow the movement in Western culture over the last 200 years from humanism to anti-humanism, and highlight the seemingly endless struggle to realize a positive vision of human freedom and equality.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Tutorial

CTMP 2011 The Lecture Series

CREDIT HOURS: 3

In some years a lecture series course is offered. Students are allowed to take up to three such courses, one for each year of upper-level study. Each course will consist of six bi-weekly evening lectures given by specialists from Atlantic Canada and beyond, and a weekly two-hour seminar. The lecturers will offer students reflections on a number of contemporary issues and themes. Each year a different theme will be explored.

NOTE: Course Details listed here also apply to CTMP 3011/CTMP 4011..

FORMAT: Lecture| Seminar

EXCLUSIONS: CTMP 2010.06, CTMP 3010.06, CTMP 4010.06

CTMP 2100 The Politics of Hope: From Romanticism to Anarchism and Beyond

CREDIT HOURS: 3

A look at the connection between revolutionary political thought and nihilism: the course focuses on the history of Romanticism and anarchism, from Fichte to some colourful literary characters (German and English) to the deadly serious Russian nihilists. Our central concern is the notion of an infinite, all-powerful human freedom.

FORMAT: Lecture| Tutorial

CTMP 2101 Apocalypse: The Revolutionary Transformation of Politics and Culture

CREDIT HOURS: 3

This course highlights the movement from revolutionary nihilism to various forms of post-revolutionary unity and integration. Beginning with Nietzsche and Dostoyevsky, the course discusses how some of the greatest contemporary thinkers (German, French, British, American) have struggled to put modern evil in the context of a larger good.

FORMAT: Lecture| Tutorial

CTMP 2115 The Idea of Race in Philosophy, Literature, and Art

CREDIT HOURS: 3

This course focuses on contemporary conceptions and representations of race, and on their relations to culture, history, ideology, science, and everyday lived

experience. We will trace the development of the modern idea of race, in relation to European colonialism and to the development of science. We will examine contemporary debates on the concept of race in the works of philosophers, writers, artists, and social activists, considering the intersections of race, class, and gender. FORMAT: Seminar

CTMP 2121 Structuralism and Poststructuralism

CREDIT HOURS: 3

We will begin by exploring the work of structuralist thinkers such as Ferdinand de Saussure, Claude Lévi-Strauss, Louis Althusser, and Jacques Lacan. Their work addresses the deep structures of signs, language, political economy, cultural production, and the psyche. Structuralism had some surprising effects, such as the French protests of May 1968, when the "students took to the streets." We will consider the way poststructuralist thinkers, such as Barthes, Foucault, Deleuze, and Derrida criticize and transform structuralist interpretations of subjectivity, language and the political.

FORMAT: Seminar

CTMP 2150 Society, Politics, and Literature

CREDIT HOURS: 3

The contemporary era has been one wholesale transformation in all aspects of existence, including politics, economics, social relations, gender roles and definitions of the self. During the nineteenth and twentieth centuries, the possibility of individual autonomy and freedom in the face of unprecedented social upheaval has been brought into question through the novel, a literary form which came to maturity in this time. The novels read in this course have been selected for their insights into the dilemmas of an age formed by political and economic revolutions where new collective forces have been brought into play.

FORMAT: Lecture| Tutorial

CTMP 2203 Bio-Politics: Human Nature in Contemporary Thought

CREDIT HOURS: 3

To what extent do biology and culture determine what it is to be human? Drawing on theorists ranging from Foucault to Steven Pinker, this course will examine the recent political, moral and existential issues raised by attempts to answer that question. Topics will include: evolutionary psychology, genetic screening, race, bio-engineering, and the spectre of determinism.

FORMAT: Lecture

CROSS-LISTING: HSTC 2206.03

CTMP 2205 Totalitarianism and Science

CREDIT HOURS: 3

The question of who has authority over funding, direction and priorities of modern science is a central political concern. This course considers the case of totalitarian states (USSR and Nazi Germany) and consists of two parts. Part I analyses the essential features of totalitarian regimes. Part II concentrates on the fortune of particular sciences (medicine, biology, physics) under them.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HSTC 2205.03

CTMP 2301 Pain

CREDIT HOURS: 3

What does pain mean? This course will investigate the uses of pain in the contemporary world, and in doing so, it will approach various sites where pain matters, examining different discursive practices which attempt to speak of pain - or alternatively, claim that pain is what cannot be spoken. We will discuss the experience of the body in pain and the relation of pain to knowledge. In the interest of interdisciplinarity, it is anticipated that guest lecturers in neurophysiology will participate, as well as those from, for example, Amnesty International. Topics to be addressed will include pain in a medical context; torture and the political uses of pain; the relation between pain and privation; the expressibility of pain. Ultimately, the aim of the course is towards the question of the uses of pain in legitimizing art: we will examine two archetypes of "the tortured artist", Sylvia Plath and Jackson Pollock, and will inquire into recent theories of the sublime in art which stress the conjunction of pleasure and pain in the most heightened and extreme aesthetic experiences.

FORMAT: Seminar

CTMP 2302 From Zanzotto and Célan to Senghor, Soyinka and Paz: Fifteen Perspectives Upon Contemporary Culture

CREDIT HOURS: 3

Analysis and discussion of selected works of major poets, artists and film makers of the past fifty years from around the world, including Zanzotto, Tranströmer, Miłosz, Célan, Bonnefoy, Elytis, Senghor, Soyinka, Mahapatra, Ting, Paz, Juarroz, and Césaire. Written texts will provide the principal basis for debate, but artwork and film will be used to render more immediate and concrete the appreciation of divergent cultural, aesthetic and ethical models (North American and British work will not be directly considered).

FORMAT: Seminar

CTMP 2303 Narrative and Meta-narrative

CREDIT HOURS: 3

This course will explore twentieth-century theories of the narrative and the increasingly broad claims made for the role of narrativity in politics, psychology and literature. Starting from Lyotard's characterization of the post-modern as an incredulity towards meta-narratives, the course will look at literary narratives (for example, Balzac, Borges, Thomas Pynchon and Alice Munroe) as well as theories of the narrative (Lévi-Strauss, Freud, Lacan, Lyotard, and Roland Barthes). Topics to be considered include the constitution of social narratives, possible grounds for the interpretation of narrative, the relation of narrative to ideology and the explanatory power of meta-narratives.

FORMAT: Seminar

CTMP 2304 Semiotics

CREDIT HOURS: 3

Semiotics is a methodological discipline that studies signs, significations, and signifying systems. Because of its interest in the production of meaning, semiotics is widely applicable and has exercised a major influence on virtually every epistemological development in the second half of the twentieth century, from Lacanian psychoanalysis to deconstruction. Some of its fields of investigation include linguistics, culture, literature, mass media, theatre, and film. Through the reading of works by de Saussure, Peirce, Morris, Jakobson, Lévi-Strauss, Barthes, Eco, and other scholars, this course will introduce students to the essential terminology and typology of semiotics. Special attention will be paid to the practical use of semiotics as a critical and analytical tool, as well as to the variety of historical and cultural contexts in which semiotics appears.

CTMP 2311 From Symbolism and Surrealism to the New Novel and Beyond

CREDIT HOURS: 3

This course will address questions of perception, image, and presence. We will analyze the interlocking perceptions of self and world, word and image, in the literature and art of modernity, from Rimbaud and Mallarmé, Gauguin and Van Gogh, through Surrealism and Cubism, to Camus and Sartre and beyond to the new novel and new wave film, Barthes, Bonnefoy, and contemporary French women writers.

FORMAT: Lecture| Tutorial| Seminar

EXCLUSIONS: Former CTMP 4310.06 and former CTMP 2310.06

CTMP 2313 The Vampire: Modernity and the Undead

CREDIT HOURS: 3

Since the emergence of vampire stories in the late sixteenth century, the vampire has served as a complex symbol for forces that defy or challenge modernity. This course will examine the figure of the vampire as it appear in folklore, philosophy, fiction, poetry, film, and television. Throughout the course we will consider the works in their historical and cultural context, considering what changing ideas of the vampire can tell us about early modern and contemporary views of death, morality, national identity, sexuality, and gender.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 2313.03

CTMP 2322 The Experience of Others in Philosophy, History and Literature

CREDIT HOURS: 3

This course examines some of the contemporary theories that have addressed the issue of alterity and focuses on social mechanisms of marginalizing "the other". We will raise questions such as what it means to live with others and to act responsibly in relations with others. The readings include philosophy (Heidegger, Levinas, Kristeva) as well as literature, political theory, and film.

FORMAT: Seminar

CTMP 2325 From the Postmodern to the Extreme Contemporary: 25 years of French Culture in the World

CREDIT HOURS: 3

This course considers the negotiation with post-modernity occurring within French culture and seeks to define what some now call the Extreme-Contemporary. A range of texts in English translation will be considered, from philosophy to the novel, from film to poetry, from the visual arts to theatre and the chanson française.

FORMAT: Lecture| Seminar

CTMP 2330 Reflections on Death

CREDIT HOURS: 3

The texts in this course consist of literary and philosophical reflections on death, the "permanent and irreversible cessation of life" (J.M. Fischer). With references to Plato and Hegel, we will consider the ways in which death has been understood as giving meaning and structure to life. The focus will be on contemporary confrontations with "pure negativity" and on different thinkers' attempts to articulate death as an ontological condition. We will also look at representations of death in contemporary art, literature, and film.

FORMAT: Lecture| Seminar

CTMP 2335 The Artist and Society

CREDIT HOURS: 3

A preoccupation of 20th century cultural life has been the relation between the creative artist and society. To what extent should the artist engage in the social and political currents of her/his time, or retreat into solitude? What responsibility does the artist have to society, or society to the artist? This course will examine various philosophical and artistic treatments of these themes in various social contexts. First, we shall consider the question of the artist and society in terms of ancient, early modern, and 18th and 19th century aesthetic ideas. We then turn our attention to a number of 20th century reflections on this theme in such milieus as pre-war Europe, the Weimar Republic, Nazi Germany, post-war Japan, contemporary Canada, and 1970s Britain. The work of such thinkers and artists as Plato, Rousseau, as Kant, Wilde, Mann, Arendts, Mishima, Gould and the Sex Pistols will be considered mainly through written texts, but also in art forms such as music and film.

FORMAT: Seminar

CTMP 2336 East Meets West in Popular Culture

CREDIT HOURS: 3

This course is devoted to examining intersections between "West" and "East" through the study of cross-cultural influences in popular literature, cinema, music, and comics in Europe, North America, China, and Japan.

CROSS-LISTING: CHIN 2052.03

RESTRICTIONS: Restricted to students in their 2nd year and above.

CTMP 2340 Theories of the Avant-Garde

CREDIT HOURS: 3

This course investigates concepts of the Avant-Garde in early 20th century futurism, expressionism, dadaism, and surrealism. We will read representative texts, including prose, poetry, drama, and manifestos as well as examine selected works from the visual arts and film. Topics for discussion include the historical Avant-Garde, the reintegration of art and life, the relations of the Avant-Garde to romanticism and modernism, the institution of art, aesthetics, the autonomy of art, and political radicalism. We will also examine the implications of theories of the Avant-Garde for the debates about the relation between modernism and postmodernism. A key theoretical text in the course is Peter Burger's *Theory of the Avant-Garde* but we will also examine selected writings by Lukacs, Brecht, Benjamin, Kracauer, Poggioli, Adorno, Bataille, Habermas, Lyotard, and Agamben.

FORMAT: Lecture| Seminar

CTMP 3000X/Y Science and Culture

CREDIT HOURS: 6

In the twentieth century, "Science" and "Culture" are often presented as a dichotomy. In this course we shall be examining that dichotomy, attempting to explode it by showing that science itself has a "culture" and that science is very much embedded in culture. We shall investigate disputes within sociology and philosophies of scientific method, debates around the public role of science, and the recent criticism of science and its place in society by the powerful critiques of feminism and post-modernism. A strong emphasis will be placed on case studies and seminar presentation.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CTMP 3011 The Lecture Series

CREDIT HOURS: 3

See CTMP 2011.

FORMAT: Other (explain in comments)

CTMP 3103 Critiques of Modernity

CREDIT HOURS: 3

What is the status of the modern world? It is a source of freedom and truth or rather of the deconstruction of religion, humanity and nature. The contemporary period has defined itself in many ways through the critique of modernity. These critiques have come from an array of perspectives: philosophic, aesthetic, religious, moral, political. This course will provide a survey of a number of such critiques seeking to grasp both points of commonality, disagreement and development.

FORMAT: Seminar

CROSS-LISTING: EMSP 3203.03

CTMP 3104 The Rise of Nietzscheanism

CREDIT HOURS: 3

This course will show the origins and growth of Nietzsche's fame and influence from the late nineteenth century to around the middle of the twentieth, and consider his impact on many different and conflicting trends of thought, including Nazism and avant-garde art, depth psychology, existentialist philosophy and anarchistic social theory.

FORMAT: Seminar

RESTRICTIONS: Restricted to students in their 2nd year and above.

CTMP 3105 The Nietzschean Legacy

CREDIT HOURS: 3

This course surveys the influence of Friedrich Nietzsche on Western thought and culture, from the middle of the twentieth century to the present day. We will see Nietzscheanism at work in many different schools of thought, from French existentialism and American liberalism to various forms of contemporary anti-humanism and post-humanism.

FORMAT: Seminar

RESTRICTIONS: Restricted to students in their 2nd year and above.

CTMP 3110 The Dialectic of Enlightenment I

CREDIT HOURS: 3

In the course of criticizing tradition and integrating the experience of the Renaissance and the Reformation, in responding to the beginnings of modern natural science and modern political institutions, early modern Europeans sought in diverse - and often conflicting - ways to express the self-understanding of Enlightenment. By the end of the eighteenth century, science, morality and art were seen as different realms of activity in which questions of truth, justice and taste could be separately determined, that is, evaluated according to their own specific criteria of validity. This course will consider how these differences compelled European philosophers and theologians, artists and social theorists, to develop and expand their self-understanding to the point where enlightened reason could properly reflect the formal divisions of culture and make critical judgements in relation to them. Special attention will be paid to the relationship between faith and knowledge and the growing sense of conflict between religion and secular freedom.

FORMAT: Seminar

CROSS-LISTING: EMSP 3210.03

CTMP 3113 Kant and Radical Evil

CREDIT HOURS: 3

This course will examine the roots of the modern conception of radical evil in the late work of Immanuel Kant. Beginning with the traditional, pre-Kantian conception of evil as merely a negative phenomenon - as a lack or privation of being - we will trace the emergence of Kant's radical innovation, his positive conception of evil as the ineradicable "knot" at the very heart of human freedom. We will also consider at some length the subsequent career of Kant's doctrine in 19th and 20th Century thought.

FORMAT: Seminar

CROSS-LISTING: EMSP 3213.03

EXCLUSIONS: EMSP 3630.03

CTMP 3115 The Dialectic of Enlightenment II

CREDIT HOURS: 3

In enlightened European culture, religion, state and society as well as science, morality and art were gradually separated from one another under exclusively formal points of view, and subordinated to a critical reason that took on the role of a supreme judge. By the beginning of the nineteenth century, many Europeans began to question the self-understanding evoked by the principle of critical reason. This course will consider how enlightened freedom and reason moved European philosophers and theologians, artists and social theorists, to conceive of themselves historically, that is, to become conscious of the dissolution of tradition, and of the need to ground the divisions of culture in ideal forms of unity derived from the tradition. The course will pay particular attention to the relationship between religion and the demand that the unifying force in culture come from a dialectic residing in the principle of enlightened reason itself.

FORMAT: Seminar

CROSS-LISTING: EMSP 3220.03

CTMP 3116 Heidegger: Science, Poetry, Thought

CREDIT HOURS: 3

In this course, we shall examine the complex relations that obtain in Heidegger's early and later work between science, poetry and thought. From his early identification of phenomenology as "philosophical science" to his mature insistence on the irreducibility of philosophy to science (and his new emphasis on the essential kinship of philosophy and poetry), we shall trace the contours of this powerful and inescapable path of thinking.

FORMAT: Seminar

RESTRICTIONS: Restricted to students in their second year and above.

CTMP 3121 Genocide: Comparative Perspectives

CREDIT HOURS: 3

This course is a theoretical inquiry into the concept of “genocide,” taking into account its cultural, socio-political and historical determinations. Which atrocities “qualify” to be included in that concept and why? What is the nature of the relation between “genocide” and “human rights”? Does the fact that the term was coined in a specific context (WWII) limit its applicability to non-European phenomena, both prior to and after the war? We will consider several documented instances of genocidal violence and reflect on the relations between “genocide” and the politics of memory, including a variety of representations in museum displays, public commemorations, and popular culture. We will look at competing claims from victim groups and ask questions about the significance of racial differences in targeting a specific population; gender difference in the experience of atrocity; and the role of world powers' political and economic interests in deciding about intervention or non-intervention.

COURSE FREQUENCY: Every Other Year

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CTMP 3125 The Concept of Memory in Late-Modernity: Commemoration, Representation, Trauma

CREDIT HOURS: 3

This course will involve an examination of the relations between memory, theory, and representation in the context of proliferating ‘cultures of memory’. Differing theoretical approaches to memory from the philosophy and psychoanalysis of the 19th and 20 centuries will be explored, alongside various genres & practices of memory (political, memorial, artistic, and critical).

FORMAT: Seminar

RESTRICTIONS: Restricted to students in their second year and above

EXCLUSIONS: CTMP3410.03 for the 2008/09, 2009/10, 2010/11 academic years only and CTMP3415.03 for the 2011/12 academic year only

CTMP 3130 The Thought of Michel Foucault

CREDIT HOURS: 3

In this course, we will examine a selection of historical and methodological works which highlight both the mutation of Foucault's thought, as well as his continuing concerns with the relations among truth, power, and history. We will pay particular attention to the development, over the course of his career, of Foucault's notions of the care of the self, governmentality, and biopolitics. Alongside extracts from major published works, we will examine interviews, lectures, and shorter essays, all of which enable a better appreciation of the evolving character of Foucault's thought.

FORMAT: Seminar

CTMP 3135 Reconstructing Political Modernity

CREDIT HOURS: 3

This course will examine several interpretations of early modern philosophers by 20th century authors who are original political thinkers in their own right. These interpretations have involved as much reconstruction of early modern thought as faithful scholarly commentary. Indeed, they sometimes shed more light on the interpreter than the thinkers being interpreted. Thus, we shall critically analyze the radical transformations of early modern texts that were undertaken in order to make these works relevant to social and political questions centuries later.

FORMAT: Seminar

PREREQUISITE: One of: CTMP 2000.06, CTMP 2100.03, CTMP 2101.03, CTMP 3110.03, CTMP 3115.03, EMSP 2000.06, EMSP 2440.03, EMSP 3210.03, EMSP 3220.03, EMSP 3430.03, EMSP 4000.06, PHIL 2210.03, PHIL 2220.03, PHIL 2270.03, POLI 2400.03, POLI 2410.03, POLI 2420.03 or instructor's permission.

CROSS-LISTING: EMSP 3440.03

CTMP 3145 Leo Strauss and his Intellectual Context

CREDIT HOURS: 3

Leo Strauss was during his own lifetime a figure of controversy and has grown more so in the thirty years since his death. In recent newspaper and academic articles, Strauss has been seen through the influence of his students ("Straussians") to be the secret intellectual source of much of the Neo-Conservative movement and in particular the policies and doctrines of the Bush White House. This course will endeavour to understand Strauss's thought in terms of his own intellectual development and in the context of the issues that were particularly formative for his thinking. The course will include the influence of Husserl upon his thought, his reflections on Zionism and the Jewish intellectual tradition during the 1920s and 30s when he was still living in Germany, his critique of Carl Schmitt, his response to the thought of Martin Heidegger, his debate with Alexandre Kojève. In short, the purpose of this course is to locate Strauss's thought in its intellectual context and thereby gain distance on the demonizing and sanctifying rhetoric that characterizes the contemporary debate about "Straussianism".

FORMAT: Seminar

CTMP 3155 The Question of the Animal

CREDIT HOURS: 3

In this course, we will explore animality and the relationship between human and nonhuman animals. Topics include animals and cognitive awareness, the ethical status of animals, cultural representations of animals, pets and domesticity, animals and science and posthumanist concepts of animality. Readings will include selections from a number of disciplines, including philosophy, literature, art, anthropology, and ethology.

FORMAT: Seminar

EXCLUSIONS: CTMP 2011.03/3011.03/4011.03 and HSTC 2011.03/3011.03/4011.03 for 2013/14 academic year only.

CTMP 3190 The Thought of Simone Weil

CREDIT HOURS: 3

Simone Weil (1909-1943), a "genius" of the early 20th century, was a fellow student with Jean-Paul Sartre and Simone de Beauvoir. A political activist, she taught philosophy, then worked for a year on an industrial assembly-line. She wrote brilliantly on an extraordinary range of topics. She fled the Nazi occupation of France, but died in London aged 34. This course will read and discuss a selection of Weil's essays on history, politics, literature, religion, science and philosophy.

FORMAT: Tutorial| Seminar

CTMP 3192 The Thought of Ludwig Wittgenstein

CREDIT HOURS: 3

Ludwig Wittgenstein (1889-1951) is one of the most renowned philosophers of the twentieth century. His extraordinary influence is the result of his teaching small groups of dedicated students. Published for the most part posthumously, his writings, too, have made him a philosopher's philosopher. Nevertheless, his influence has extended well beyond the questions about the foundations of logic and language which preoccupied him. This course will explore some of the broader implications of his work, touching on music, art and architecture, on anthropology and psychology, and on ethics and religion, as well as on his central contributions to the philosophy

of language and mind.
FORMAT: Tutorial| Seminar
EXCLUSIONS: CTMP 2190.03

CTMP 3201 Science and Religion: Contemporary Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the rise of Darwinism in the early nineteenth century to the contemporary postmodern age. From an examination of nineteenth-century "Scriptural geology" and the religious impact of Darwin's *Origin of Species* (1859), this course moves on to such contemporary topics as the religious, interpretations of quantum mechanics, the Big Bang, the anthropic principle, medical science, bioethics, evolutionary psychology, chaos theory, aesthetics in nature, science fiction and extra-terrestrial life (including SETI). Case studies of "conflict" emanating from Darwinism, the Scopes Trial and the on-going Creation-Evolution debates are contrasted with examples of harmony and interdependence between science and religion in the careers nineteenth and twentieth century scientists, along with phenomena like the new Intelligent Design (ID) movement. The religious scope of the course is intentionally wide-ranging, and examinations of science-religion interaction within native American, African and the New Age spirituality are added to treatments of traditional eastern and western religion. Special features include a focus on primary texts, the use of film and guest lectures by scientists.

FORMAT: Seminar

CROSS-LISTING: HIST 3076.03, HSTC 3201.03, RELS 3201.03

CTMP 3210 Intersecting Bodies, Selves and Environments

CREDIT HOURS: 3

The traditional view of the relation between humans and nonhuman nature is regarded by many as dualistic insofar as it posits not only a distinction and separation between humans and nonhuman nature but regards humans as superior to nonhuman nature, on either religious, metaphysical, moral, or even evolutionary, grounds. In this course, we examine three different strategies for overcoming this view. We begin by examining phenomenological attempts to overcome dualistic accounts of the relations between perceiver and perceived, mind and body, and mind and world. In the next section, we discuss attempts by radical ecologists to establish a nondualist view of the relation between humans and nature. In the concluding section of the course, we examine some postmodern strategies for overcoming dualistic thinking about culture and nature.

FORMAT: Seminar

EXCLUSIONS: CTMP 3411.03 for the 2005/06, 2003/04, 2001/02 academic years only

CTMP 3215 Feminism and Science

CREDIT HOURS: 3

Science has been the subject of intense scrutiny by contemporary feminist theorists. The course will examine the various feminist critiques of natural science, as well as the positive proposals that feminism has brought to science and scientific culture. Questions that will be addressed include: Is the style of science gendered? Has feminism influenced the content of various sciences? How has science contributed to gendered constructions of nature? Is there such a thing as value-free scientific research? How do feminist theories of knowledge differ from traditional understandings of scientific knowledge and scientific objectivity? The readings for this course will include work by Donna Haraway, Sandra Harding, Evelyn Fox Keller, Helen Longino, and Hilary Rose.

FORMAT: Seminar

CROSS-LISTING: HSTC 3411.03, GWST 3215.03

CTMP 3220 The Aesthetics of Environments

CREDIT HOURS: 3

In this course, we consider recent approaches to the aesthetic appreciation of both natural and human environments. In the first part, we will examine the role of science, perception, imagination, emotion, and ethics in the aesthetic appreciation of nature. In the second part of the course, we will discuss contemporary approaches to the aesthetics of such human environments as the city, the theme park, the garden, the shopping centre, the home and the countryside.

FORMAT: Lecture| Seminar

EXCLUSIONS: CTMP 3415.03 for the 2005/06 academic year only

CTMP 3250 Nature and History

CREDIT HOURS: 3

In the nineteenth and twentieth centuries, the study of the natural world and historical thought have been closely linked. Participants in the seminar will read texts which helped to define ideas of history in the era after the Enlightenment and consider how these ideas influenced, and were influenced by, developments in scientific thought. The seminar will consider how nature and history are related in idealism, historical materialism and the thinking of the evolutionists, and how this connection is rejected by Nietzsche, Freud and Foucault.

FORMAT: Seminar

CROSS-LISTING: HSTC 3150.03

EXCLUSIONS: CTMP 3150.03

CTMP 3302 Film Theory

CREDIT HOURS: 3

This course will provide an introduction to the field of film theory and criticism. Students will be provided with the tools to interpret films using the following critical and theoretical methodologies: Classical Film Theory, Auteur Theory, Genre Theory, Semiotics, Psychoanalysis, Feminist Theory, Reception Theory, Star Studies, Critical Race Theory and Queer Theory.

FORMAT: Seminar

EXCLUSIONS: FILM 3330.03/THEA 3330.03

CTMP 3304 Through Her Eyes: Women and the Documentary Tradition

CREDIT HOURS: 3

This course will explore the rarely examined historical and contemporary involvement of women in the field of documentary filmmaking. Women documentary makers have produced extensive bodies of engaging work that challenge many societal assumptions about gender, class, race, the function of political power, sexuality and peace-war. They have worked at every level within the process: as directors, cinematographers, editors, sound recordists, producers, writers and fund-raisers. A variety of documentaries made by women from diverse backgrounds will be screened and analyzed along with a close reading of selected critical texts. Students will identify the similarities and differences in subjects, themes, style, aesthetics, and approached to creation, production and distribution.

FORMAT: Seminar

CTMP 3305 Modern Film and the Theory of the Gaze

CREDIT HOURS: 3

This course will develop certain aspects of the theory of the gaze in relation to a selection of films which themselves embody or express a thinking about looking. We all like to look; and we are all given over to being seen, and both these modalities have received historically unprecedented elaboration in the moving pictures. The films and theories will raise issues about visual desire, horror, paranoia, surveillance and fascination.

FORMAT: Lecture| Discussion

CTMP 3311 Culture, Politics and the Post Colonial Condition

CREDIT HOURS: 3

The term 'postcolonial' marks the historical passage of European colonial domination and national independence movements, and describes the contemporary condition of domination and struggle both in the new nations that emerged in the second half of the twentieth century and in Western metropolitan centres with their new populations. A mode of theorizing the aftermath and persistence of colonialism, it recently has been criticized for perpetuating the Eurocentric culture it intends to contest. This course will examine recent configurations of postcolonialism as political and cultural practice, focusing on debates over globalization, multiculturalism and the role of the intellectual.

FORMAT: Seminar

CTMP 3321 Representations of the Holocaust: Bearing Witness

CREDIT HOURS: 3

At the time when the Holocaust recedes into history, the imperative to "never forget" acquires new urgency. In this course, we focus on various modes of talking about this traumatic historical event. Can horror be accommodated in language? Is there a privileged genre that would do justice to suffering? Is the Holocaust unique or should it be considered in comparison with other genocides? These and other questions will arise from the examination of eye-witness accounts by camp survivors, excerpts from Holocaust diaries written in the ghetto, perpetrator testimony, works by historians, and literary works. The course includes excerpts from films, documentaries, and other video-taped material.

FORMAT: Seminar

CTMP 3322 Representations of the Holocaust: Remembrance

CREDIT HOURS: 3

Representations of the Holocaust: Bearing Witness is not required. Basic knowledge of Holocaust facts and some familiarity with Holocaust literature is recommended. This course focuses on memoirs and literary accounts of the Holocaust written several decades after the war, as well as on contemporary debates about the nature of Holocaust memory. Of special interest is the struggle of survivors' children to reckon with the burden of their parents' past. We will evaluate the burden of responsibility for the past postulated by these texts and consider the ways the Holocaust has been represented in literature, film, and museum exhibits. We will look at the current phenomenon of Holocaust denial, with emphasis on anti-Semitism and white supremacy movements in Canada. Finally, we will consider the politics of Holocaust memory in comparative perspectives. The course includes excerpts from films, documentaries, and other video-taped material, and illustrated lectures on Holocaust art.

FORMAT: Seminar

CTMP 3340 Home and Homelessness

CREDIT HOURS: 3

This course takes the current social problem of homelessness as a starting place for an inquiry into the significance of figurations of home and homelessness in the contemporary world. Home is a place of comfort and belonging; it is a domestic setting, a language, a nationality and a series of identifications which 'place' and maintain individuals. Where I am at home, I feel coincident with myself. The notion of home is opposed to key diagnoses of the modern condition--as alienated, displaced, estranged and uncanny, for example. These diagnoses have been applied both to psychological conditions and to actual social phenomena of mass displacements, refugees, immigration and exile. The social imaginary of many historically displaced groups centres around the return to or establishment of a homeland. This course will consider literary and artistic representations of 'home', the phenomenology of 'homeliness' and of its strange double, the uncanny (unheimlich), and the stakes that post-war philosophy has in the notions of rootedness, place and dwelling.

FORMAT: Seminar

CTMP 3345 The Theory of the Gift

CREDIT HOURS: 3

Is it possible to give, freely, without expectation of return? That is, can generosity ever really exist? Or are we trapped in restricted economies of exchange which find us always calculating some profit to ourselves, whether in this world or the next? The problem of the possibility of generosity and altruism is of central importance to current deliberations about ethics and economics. This seminar will read its way through the modern genealogy of the thinking of the gift, beginning with its foundation in anthropological studies of so-called 'primitive' economies. It is of some interest that the modern concern with the gift appears in the guise of anthropology rather than from its well-established place in the Christian theological tradition. This course will consider the debate over the gift among anthropologists such as Mary Douglas and Marshall Sahlins, in the extraordinary theses of Georges Bataille, and will place special emphasis on the importance of the gift in the work of Jacques Derrida.

FORMAT: Seminar

CTMP 3350 Rewriting Gender

CREDIT HOURS: 3

Recent literature by women, both fiction and critical theory, has widely adopted innovative strategies in order to advance feminist views. These explorations have allowed female authors to question the way in which women's subjectivity has been constructed through male-oriented processes of signification. The works of fiction covered in this course, by Angela Carter, Jeanette Winterson, Leslie Feinberg, Dionne Brand, and Marjane Satrapi and others, exemplify aesthetic subversions of phallogocentric discourses. Literary texts will be supplemented with theoretical works by leading feminist/post-structuralist thinkers such as Luce Irigaray, Judith Butler, and bell hooks. The course includes video-taped material and slide-shows of postmodern feminist art.

FORMAT: Lecture| Seminar

CROSS-LISTING: GWST 3350.03

CTMP 3410 Studies in Contemporary Social and Political Thought in the 20th Century

CREDIT HOURS: 3

Topics vary each year.

NOTES: No more than two studies courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP

3410.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least two years of university study (minimum 10 full credits) prior to enrollment.

CTMP 3411 Studies in Contemporary Science and Technology

CREDIT HOURS: 3

Topics vary each year.

NOTES: No more than two studies courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP 3411.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least two years of university study (minimum 10 full credits) prior to enrollment.

CTMP 3415 Studies in Contemporary Aesthetic and Critical Theories

CREDIT HOURS: 3

Topics vary each year.

NOTES: No more than two studies courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP 3415.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least two years of university study (minimum 10 full credits) prior to enrollment

CTMP 4000X/Y The Deconstruction of the Tradition

CREDIT HOURS: 6

This course focuses on twentieth-century thinkers and writers who have questioned fundamental concepts of Western philosophy, such as identity, selfhood, representation, truth, and origin. What they all have in common is abandoning totalizing models of thinking in favor of pluralistic discourses that can accommodate radical heterogeneity. The recurrent themes of the course are: relations between philosophy and literature, intersections between the philosophical domains of ethics and aesthetics, and viability of deconstruction for political and cultural praxis.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CTMP 4011 The Lecture Series

CREDIT HOURS: 3

See CTMP 2011.

FORMAT: Other (explain in comments)

CTMP 4102 Desire, Freedom, Power: Judith Butler and the Drama of Authentic Human Existence

CREDIT HOURS: 3

Ours is a time of remarkable anxiety regarding institutional power and its effects on freedom and desire. Taking famed social theorist Judith Butler as our guide, we will examine Hegel as well as various twentieth-century thinkers who both expose the tensions within our modern identity and highlight affirmative possibilities.

FORMAT: Seminar

CTMP 4105 European Nihilism

CREDIT HOURS: 3

In the latter half of the nineteenth-century a number of European thinkers and writers came to sense a profound loss of meaning and significance at work in their culture. The term that was coined to describe this experience was "nihilism." The purpose of this course is to explore the thought of those who gave expression to this new phenomenon. We will begin with the literary explorations of Dostoyevsky and Baudelaire, and then turn to the thought of Nietzsche as the most complete explication of European nihilism. The course will conclude by considering the twentieth-century's most important commentator on nihilism, Martin Heidegger. In particular, the course will consider Martin Heidegger's set of lectures from the late 1930s that were published as Nietzsche. This set of lectures as reflections on Nietzsche's account of European nihilism formed, according to Heidegger's own recounting, a crucial transition in his own thought, the famous "turn" from the "early" to the "late" Heidegger. This course will examine the lecture series in the context of Heidegger's other writings at this time and his much-debated involvement with Nazism to try to understand the exact nature and import of his "turn." In all of this the course will be exploring the connections between a deep cultural experience - that of European nihilism and its social and political implications.

FORMAT: Seminar

EXCLUSIONS: CTMP 4410 for the 2004/2005 academic year only

CTMP 4124 Walter Benjamin's Materials

CREDIT HOURS: 3

Following the diversity of Benjamin's own interests: "literature, philosophy, architecture, journalism, photography, the city, film, children's toys, fashion, rubbish," we will read his essays on culture and the media alongside writings by Baudelaire, some artworks, and selections from The Arcades Project, Benjamin's collection of quotations and observations about mall life and modernity in Paris.

FORMAT: Seminar

RESTRICTIONS: Restricted to students in their 2nd year and above.

EXCLUSIONS: CTMP4415.03 in the 2009/10 academic year only.

CTMP 4125 Hannah Arendt: Terror, Politics, Thought

CREDIT HOURS: 3

In this course we examine the trajectory of Hannah Arendt's long path of thinking: from her early political writings (on the state of Israel, on totalitarianism), to the more theoretically ambitious writings of the 1950's and 1960's (on action, power, and the creation of political spaces), to the late work on the life of the mind (on thinking, willing, and judging). We will attempt to understand how Arendt's overarching 'love of the world' informed her thought at every stage of its development, giving rise to a powerful critique of liberal democracy and preparing the groundwork for a new 'post-totalitarian' thinking of the political.

FORMAT: Lecture| Seminar

CTMP 4126 Kafka, Scholem, Benjamin: On Law and Crisis in 20th Century Jewish Thought

CREDIT HOURS: 3

In this course, we will examine the illuminating disagreement between Gershom Scholem and Walter Benjamin - two of the giants of 20th Century Jewish thought - on the meaning of the Law in Franz Kafka's stories. We will see how their respective interpretive strategies have dramatically informed the theoretical landscape of contemporary Jewish and non-Jewish thought.

FORMAT: Lecture| Seminar

CTMP 4130 The Frankfurt School: Critical Theory from Horkheimer to Habermas

CREDIT HOURS: 3

This course will focus on some of the most important and influential aspects of the critique of society developed by critical theorists from the 1930s to the 1960s. Themes and topics will include the task and methods of critical theory, reason and freedom, the role of technology in monopoly capitalism, fascism, the decline of the individual, the critique of the culture industry, and psychoanalysis. We will read selections from the works of Max Horkheimer, Theodor W. Adorno, Erich Fromm, Walter Benjamin, Herbert Marcuse and Jürgen Habermas.

FORMAT: Seminar

EXCLUSIONS: CTMP 3410 for the 2005/2006 academic year only

CTMP 4140 Phenomenology and its Legacy: Back to the 'Things Themselves'

CREDIT HOURS: 3

This course examines some of the major figures in the phenomenological movement. We begin with an examination of Edmund Husserl's attempt to establish a "radical" science of phenomenology. The method of phenomenology, the intentionality of consciousness, perception, and the *Lebenswelt* are among the topics we will consider. We then turn to various reformulations and critiques of Husserl's conception of Phenomenology in selected works from Heidegger to Derrida. Topics and concepts for discussion will include Being-in-the-world, the nature of consciousness, the lived body, temporality, the priority of otherness and hermeneutics.

FORMAT: Seminar

CTMP 4150 Derrida and Deconstruction

CREDIT HOURS: 3

This class is an in-depth examination of one of the most challenging and provocative thinkers of the last century. We will examine Derrida's thought - from the development of deconstruction, through his innovative exploration of works of art and literature, to his politically inflected late writings on the gift, forgiveness, and hospitality. We will look at deconstruction as a "method" and at its relation to the "tradition."

FORMAT: Seminar

CTMP 4200 Philosophies of Technology I: From Techne to Technology

CREDIT HOURS: 3

What does it mean to live in a "technological society"? In a certain sense, technology forms the very ground of what it means to be "modern". We moderns are technological beings. This course will explore the history, structure and associated problems of our coming to be technological, beginning with technical arts and instrumental reasoning of Enlightenment and industrial ideology. Post-Enlightenment critiques polarizing around the place of "machine" and alienation in Karl Marx, and in the "question concerning technology" in Martin Heidegger will then be examined, leading up to the present state of technological discourse. In each case, we shall mark the importance of contextualising the debate by examining the actual historical evolution of technology. Weekly lectures will be devoted to presenting a social and historical background to the development of modern technologies. Student-led seminars will focus on the reading of primary texts in the field.

FORMAT: Lecture| Seminar

CROSS-LISTING: HSTC 4200.03

CTMP 4201 Philosophies of Technology II: Questions Concerning Technology

CREDIT HOURS: 3

This topical seminar course will explore in detail the implications of powerful contemporary debates concerning the meaning and place of technology. What do we mean by technology? Can there be a philosophy of technology? What are the political and cultural ramifications of going technological? Topics will include: technological determinism in history, feminist critiques, technology and development, the meaning of expertise, technology, art and the "lifeworld", social-construction vs. actor-network theory, Donna Haraway's concept of cyborg culture and the "modern technological sublime". The course will be conducted in seminar format with particular emphasis placed on the elucidation of historical and contemporary case-studies. Whenever possible, guest lecturers from the "real world" of technology will be invited to participate in class.

FORMAT: Lecture| Seminar

CROSS-LISTING: HSTC 4201.03

CTMP 4301 Freud, Lacan and the Critique of Psychoanalysis

CREDIT HOURS: 3

Is psychoanalysis a medical practice, a method of interpretation, or an account of the social symbolic? The modern skepticism about consciousness and conscious life is most thoroughly voiced in psychoanalytic thought as first developed by Freud and pursued in the work of Jacques Lacan. This course will consider the question of the modern psyche, the nature of symbolic practices in art and literature, and the construction of libidinal economies in society. The central question of the course will concern the way in which the individual subject is incorporated in symbolic practices. The recent attacks on Freud and Freudian methodologies will also be considered.

FORMAT: Seminar

CTMP 4302 Recent French Feminist Theory

CREDIT HOURS: 3

This course will concentrate on some of feminism's most challenging voices, those that have emerged from France at the end of the last century Kristeva, Cixous and Irigaray. The course will attempt to illuminate the intellectual background against which these women write, particularly in the areas of linguistic and anthropological structuralism, and in psychoanalytic theory. The course will be organized in part by the historical evolution of feminist thought, in part by the consideration of central feminist concerns.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 4402.03

EXCLUSIONS: Former CTMP 2030.06 and 4300.06

CTMP 4315 Psychoanalysis and Politics

CREDIT HOURS: 3

Freudian psychoanalysis and its Lacanian successor have added new dimensions to the analysis of contemporary political issues. In the mid-twentieth century Sigmund Freud's theory of the unconscious was drawn upon to supplement liberal and Marxist analyses of fascism. Lacanian psychoanalysis has recently been employed in the

understanding of nationalism, ethnic conflict and religious fundamentalism through such categories as identification, recognition and trauma. The course will begin with some key texts by Freud and Lacan, and then move to a consideration of recent examples of the conjunction of psychoanalytic and political theory.

FORMAT: Seminar

CTMP 4330 Ethics after the Holocaust

CREDIT HOURS: 3

Shortly after World War II ended, thinkers such as Arendt, Adorno, and Buber reflected on the causes of the Jewish genocide and its impact on humanity. It has taken decades, however, for others (such as Fackenheim, Habermas or Derrida) to confront "Auschwitz." In this course, we will inquire into the challenges the Holocaust poses to philosophy, to ethics in particular. The thinkers discussed reflect on the collapse of traditional ethical systems in the wake of National Socialism. In various ways and in different religious and cultural contexts, they try to find an alternative moral foundation for life "after Auschwitz."

FORMAT: Seminar

CTMP 4410 Special Topics in Contemporary Social and Political Thought in the 20th Century

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context.

NOTES: No more than two special topics courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP 4410.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least 2 years of university study (minimum 10 full credits) prior to enrollment.

CTMP 4411 Special Topics in Contemporary Science and Technology

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year.

NOTES: No more than two special topics courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP 4411.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least 2 years of university study (minimum 10 full credits) prior to enrollment.

CTMP 4415 Special Topics in Contemporary Aesthetic and Critical Theories

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year.

NOTES: No more than two special topics courses (one full credit) can be taken for credit towards the Contemporary Studies Program. Students can enrol only once in CTMP 4415.03.

FORMAT: Seminar

PREREQUISITE: Students must complete at least 2 years of university study (minimum 6 full credits) prior to enrollment.

CTMP 4510 Independent Readings in Contemporary Studies

CREDIT HOURS: 3

In a reading course the student is assigned to a member of staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected.

NOTE: Course Details listed here also apply to CTMP 4511/CTMP 4515.

PREREQUISITE: Honours registration in Contemporary Studies and permission of the instructor and director.

CTMP 4511 Independent Readings

CREDIT HOURS: 3

See CTMP 4510.

Costume Studies

Location:

Building/Room: Dalhousie Arts Centre

Street Address 1: Fountain School of Performing Arts

Street Address 2: Room 514, 6101 University Avenue

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3772

Fax: (902) 494-2801

Website: www.dal.ca/performingarts

Email Address: performingarts@dal.ca

See Theatre, Fountain School of Performing Arts.

Early Modern Studies Program

Location:

Building/Room: University of King's College

Street Address 1: 6350 Coburg Road

Street Address 2: Arts and Administration Building

P.O. Box:

Halifax, NS B3H 2A1

Telephone: (902) 422-1271
Fax: (902) 423-3357
Website: <http://www.ukings.ca/early-modern-studies-programme>
Email Address: admissions@ukings.ca

Introduction

What is the meaning of modernity? What are its origins? Is modernity to be embraced as a source of freedom or rejected as destructive of both nature and humanity? These provocative and challenging questions are addressed in the Early Modern Studies Program (EMSP), which explores the nature of modernity through a study of its origins and development in European culture from the 16th to early 19th centuries, a time of spectacular upheaval.

The Early Modern Studies Program (EMSP) is offered jointly by Dalhousie University and the University of King's College. This program brings together established departmental offerings in the arts and social sciences at Dalhousie and joins these with Early Modern Studies courses - including a required 'core' course for each upper year of study - at King's. The King's portion of this intercampus degree program consists of interdisciplinary courses taught by specialists from a number of academic fields. The intention is to provide students with a many-sided yet unified introduction to the study of European culture from the sixteenth to the early nineteenth century.

The interdisciplinary offerings within the EMSP at King's count as one of two honours subjects or toward one of two minors. EMSP courses are designed so that important figures and developments of the period may be considered on their own terms and in relation to other important aspects of the period. This will often involve consideration of the differences between the Early Modern and other historical periods of the west, and the contrasts with non-European cultures in the Early Modern period. Emphasis will be placed in core courses and electives upon encounters between European and non-European peoples and cultures in the early modern period. The three core courses together with the honours seminar are intended to give students a framework for understanding philosophical, scientific, moral, social, institutional, and aesthetic phenomena in the Early Modern period. The non-required courses focus on diverse aspects of and explanations for the complex and interlocking developments in Early Modern culture. Many of them pursue at greater depth questions introduced in the core courses.

Aside from preparing undergraduates for future more specialized training at the graduate or professional level, the EMSP is intended to provide them with a broad overview of the Early Modern period. Students are encouraged to relate the various aspects of Early Modern thought and culture to one another and to develop independent insights into the nature of this historical period. It is also hoped that EMSP students will take an active role in organizing certain events each year, including lectures, debates, and exhibitions.

Staff

Dean

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Director

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Teaching Staff at Dalhousie University

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Combined Honours

The departmental offerings within EMSP at Dalhousie include the other honours subject and a number of possible electives. The other honours subject must be selected

from the following list of Dalhousie departments and programs: Canadian Studies, Classics, Creative Writing, English, French, Gender and Women's Studies, German, History, International Development Studies, Italian Studies, Music, Philosophy, Political Science, Religious Studies, Russian Studies, Sociology and Social Anthropology, Spanish, Theatre or any of the BSc Honours subjects. Electives may be taken in any of the above-mentioned departments and programs as well as in the following: Contemporary Studies and History of Science and Technology. In addition, a number of courses in the Dalhousie Faculty of Arts and Social Sciences have been cross-listed with Early Modern Studies, and some Dalhousie faculty members participate in Early Modern Studies courses at King's. Early Modern Studies can also be taken in combination with Environment, Sustainability and Society.

Students who are eligible to take an honours degree should apply to the EMSP and the other department or program concerned as early as possible. All students must meet the requirements of the Faculty of Arts and Social Sciences as detailed in the Degree Requirements section. Because it is an honours program, the quality of work required in it is higher than that required in a 90 credit hour minor or 120 credit hour major program.

Applications for admission must be made to the Dalhousie department concerned and to the Early Modern Studies office at King's on forms available from the Registrar at either Dalhousie or King's. Students should apply to the program and seek advice on course selection before registering for the second year. If this is not done, it may be necessary to make up some work not previously taken. For each individual student, the entire degree program, including elective courses, is subject to supervision and approval by the Dalhousie department concerned and by a member of the Early Modern Studies teaching staff.

All EMSP students are encouraged to acquire competence in languages through appropriate courses which are relevant to their degree, interests, and future plans.

The joint Dalhousie/King's Early Modern Studies Program is based on the general requirement that the 120 credit hours needed to graduate include:

1. Completion of **either** the King's Foundation Year Program (either the three or the four credit version) **or** at least two appropriate first year full credits at Dalhousie which involve the study of pre-nineteenth century ideas or institutions (that is, Classics, CLAS 1010X/Y.06, CLAS 1100X/Y.06, CLAS 1800.06; English, ENGL 1000X/Y.06; History, HIST 1701.03, HIST 1702.03; Music, MUSC 1000X/Y.06, MUSC 1350.03, MUSC 1351.03; Philosophy, PHIL 1000X/Y.06, PHIL 1010X/Y.06; Political Science, POLI 1010.03, POLI 1015.03, POLI 1020.03, POLI 1025.03, POLI 1030.03, POLI 1035.03, POLI 1100X/Y.06, POLI 1103X/Y.06; Religious Studies, RELS 1001.03/ RELS 1002.03; Sociology and Social Anthropology, SOSA 1000X/Y.06, SOSA 1050X/Y.06, SOSA 1100X/Y.06, SOSA 1200X/Y.06; Mathematics.
2. A minimum of 66 and a maximum of 84 credit hours beyond the 1000 level in the two honours subjects, but not more than 48 nor fewer than 30 credit hours being in either of them.
3. The three 'core' courses in Early Modern Studies: EMSP 2000.06, EMSP 3000.06, EMSP 4000.06.
4. An honours qualifying examination (see Degree Requirement: BA, BSc Combined Honours (4 year)). Early Modern Studies students may choose to acquire this additional grade in either honours subject. In the Early Modern Studies Program, completion of the Honours Seminar (EMSP 4500.06) fulfills the requirement of the honours qualifying examination; or, with the approval of the director, an honours thesis (in conjunction with EMSP 4550.06) may also serve to fulfill the requirement of the honours qualifying examination.

Students will be eligible to take an 'Independent Reading' course only when they reach their third or fourth year. There will be six options for this course, but only six credit hours or the equivalent may be taken in a year. No more than 12 credit hours of this type may be taken during an EMSP degree. The permission of a member of the teaching staff and the Director of the program is necessary in order to take one of these courses, and their availability is strictly limited.

A course offered by the EMSP that is also cross-listed to another program or department must be taken as an EMSP course if it is to count towards the fulfillment of the normal requirements of no fewer than 24 credit hours in each of the two honours subjects in a combined honours degree in EMSP (see section 2 above).

Minor in Early Modern Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Early Modern Studies must complete between 18 and 27 credit hours at the 2000 level or above.

This must include at least six credit hours at the 3000 or 4000 level (EMSP 3000.06 or EMSP 4000.06 will also fulfill this requirement) and six credit hours from:

- EMSP 2000.06
- EMSP 3000.06
- EMSP 4000.06

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to

students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

All courses in the Early Modern Studies Program require students to have completed at least one year of university study (maximum 30 credit hours) prior to enrolment.

Course Descriptions

EMSP 2000X/Y Structures of the Modern Self

CREDIT HOURS: 6

Central to what distinguishes modernity from the ages preceding it was the development of a new conception of the self. This course traces the history of the modern self in its cultural expressions from its beginnings in the Renaissance. The developing and often diverse explorations of the self in the Early Modern period will be considered through an examination of the philosophic and literary texts as well as other aesthetic phenomena. To help provide a sense of what the modern self implies, continual reference will be made to its relation to social and economic developments, to a changing perception of gender, to the encounter of Europe to the non-European world, and to institutional authority, particularly governmental and ecclesial.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

PREREQUISITE: Either King's Foundation Year Programme or two first-year credits at Dalhousie which involve the study of pre-19th century ideas or institutions

EMSP 2011 The Lecture Series

CREDIT HOURS: 3

In some years a lecture series course is offered. Students are allowed to take up to three such courses, one for each year of upper-level study. Each course will consist of six bi-weekly evening lectures given by specialists from Atlantic Canada and beyond and a weekly two-hour seminar. The lecturers will offer students reflections on a number of contemporary issues and themes. Each year a different theme will be explored.

NOTE: Course Details listed here also apply to EMSP 3011/EMSP 4011.

FORMAT: Lecture| Seminar

EXCLUSIONS: CTMP 2010.06, CTMP 3010.06, CTMP 4010.06

EMSP 2210 Deconstruction in the Renaissance: Montaigne's *Essays* and their Legacy

CREDIT HOURS: 3

In this course, we will read selections from Montaigne's *Essays* at length. We will consider his relationship to the Ancients, Renaissance humanism, skepticism and how his thinking evolves throughout the long apprenticeship of the *Essays*. We will also look at some of the history of Montaigne's reception by readers such as Shakespeare.

FORMAT: Seminar

EMSP 2215 Violence and Wonder: Baroque Art

CREDIT HOURS: 3

This course examines the reform of art initiated by Caravaggio and the Carracci. Their innovative styles—and themes of violence and wonder—would shape 17th century art. Studying architect Francesco Borromini sheds light on Rome, while Rubens, Rembrandt, Velázquez, and Poussin illuminate Flanders, the Dutch Republic, Spain, and France.

COURSE FREQUENCY: Every Other Year

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EMSP 2220 The Voice of Satire: Rabelais, Cervantes, Voltaire

CREDIT HOURS: 3

This course will cover several examples of Early Modern Satire, ranging from Cervantes' *Don Quixote*, to Rabelais' *Gargantua and Pantagruel*, to scathing works of 18th century British satire, as exemplified by Pope and Swift. We will consider novels, poems, theatre, journalism and visual media such as caricatures.

FORMAT: Seminar

EMSP 2230 Picture and Poetry in Early Modern Culture

CREDIT HOURS: 3

Early modern artists and thinkers were fond of the Latin phrase, *ut pictura poesis*, which means, “as in painting, so in poetry.” Ben Jonson for example argued that “poetry and picture are arts of a like nature, and both are busy about imitation.” The objective here will be to test the validity of such claims with reference to early modern visual art and literature. Are poets and painters engaged in the same field of representation? Do they adopt parallel strategies of representation? Do they interpret and organize social energies in similar ways?

FORMAT: Seminar

EMSP 2240 Themes in Early Modern Science, Metaphysics and Epistemology

CREDIT HOURS: 3

This course covers the period from Descartes through Kant and is structured around a study of themes in science, epistemology and metaphysics as they evolved in this

period. Although the themes to be covered may vary somewhat, on the philosophical side the main ones will be a selection from the following: theories of representation, theories of perception, theories of concepts and abstract ideas, theories of knowledge and the issue of skepticism (proofs of God and of the external world), metaphysics and ontology, causality, and doctrines of logic and method. What makes the Early Modern period so intellectually fascinating is that philosophy and science, empirical studies and a priori studies, are interwoven. We shall look at some parts of the tapestries that resulted, especially in the area of cognitive science, especially in Descartes, but also including physics and mathematics, and the contributions of other philosophers of the period.
FORMAT: Seminar

EMSP 2250 The Myth of Modernity in Goethe's *Faust*

CREDIT HOURS: 3

The Faust myth can be described as the myth of modernity itself: The ideas of human self-realization and progress are under debate in the story of the German scholar Dr. Faustus who in his pact with the devil transgresses the boundaries that nature, religion and society imposed on mankind. Unquestionably the most famous representation of this modern myth is Goethe's *Faust*. Written over a period of sixty years (1772–1832), Goethe's *opus magnum* broadens the focus of the original myth to portray the central ambiguities and controversies presented by the modern age. His Faust is the story of modern man at large, successful, egotistical, torn, alienated, driven, in search of truth and totality, a man who in the course of his life becomes spectacularly guilty, and in the end is spectacularly (and controversially) redeemed. Faust's journey through the world traces major developments of the Western world from the sixteenth to the early nineteenth century, developments that still shape today's world.

FORMAT: Seminar

EMSP 2260 The Philosophes, the *Encyclopédie* and Enlightenment Movement

CREDIT HOURS: 3

This course explores the range, depth and commitment of the work of several leading figures of the eighteenth-century intellectual movement that came to be known as *Les Lumières* in France, the *Enlightenment* in Scotland, *Aufklärung* in Germany, and *Illuminismo* in Italy. The course takes a primary interest in the French *philosophes*, writers, and thinkers who contributed directly to the *Encyclopédie*, but some consideration will also be given to the movement in these other European countries. Course readings will include a nucleus of articles from the *Encyclopédie, ou Dictionnaire Raisonné des Sciences, des Arts et des Metiers*, whose publication was overseen by Denis Diderot and Jean le Rond d'Alembert from 1751-1772, augmented by a host of other works of major philosophical, scientific, aesthetic, cultural, and historical importance.

FORMAT: Seminar

EMSP 2270 Endless Romance

CREDIT HOURS: 3

The great medieval genre of romance both endured and metamorphosed in the Early Modern period. This course will consider the important transformation of romance in the period by concentrating on two main texts, Spenser's *The Fairy Queen*, and Cervantes' *Don Quixote*. The course will begin by looking at a few paradigmatic late medieval romances of the fifteenth century, including portions of Sir Thomas Malory's *Le Morte D'Arthur*, and the Spanish romance by Martorel, *Tirant lo blanc*. The main texts will then be considered as examples of the extraordinary reception of the genre, as continuation, elaboration and allegorization in the case of Spenser, and as the foundation of the novel in the case of Cervantes. Central themes such as quest, errancy, and desire will be considered; there will be a limited number of readings on the theory of romance (Frye, Bakhtin, Parker). In conclusion, we will briefly consider much later manifestations of romance, in the work of the romantic poets.

FORMAT: Seminar

EMSP 2280 Friedrich Schiller's Historical Drama

CREDIT HOURS: 3

Friedrich Schiller's five historical dramas range over Early Modern Europe from the Hundred Years War to the Thirty Years War, and find settings in medieval Switzerland and France, as well as Counter-Reformation Spain and Elizabethan England. These five plays will be analyzed according to lyrical, theatrical, historical and aesthetic criteria.

FORMAT: Seminar

CROSS-LISTING: GERM 2280.03

EMSP 2290 German Romanticism: From Goethe to Hegel

CREDIT HOURS: 3

Romanticism begins by overthrowing conventional literary rules and attitudes. It demands scepticism towards received religious doctrine and practice. Genuine feeling and political liberation are enhanced by attention to classical antiquity and modern folktale. Apparently a reaction against the modern, from Goethe to Hegel, Romanticism manages to eclipse almost everything else.

FORMAT: Seminar

CROSS-LISTING: GERM 2290.03

EMSP 2310 Women and Gender in Early Modern Science

CREDIT HOURS: 3

This course will explore the roles of women, and questions about women's nature, in the development of Early Modern science. The course will consider several interrelated aspects of scientific culture in the sixteenth, seventeenth, and eighteenth centuries: first, we will look at the place of women in the scientific institutions of the time. Although women were, for the most part, excluded from universities and scientific academies, some women were able to do scientific work through their participation in salons and craft guilds. The second part of the course will look at the contributions of some particular women to the fields of physics, astronomy, botany, and medicine. We will then examine how science interpreted sex and gender. We will pay special attention to the biological sciences and their treatments of sex differences, conception, and generation. We will consider how these biological theories were influenced by, and at the same time used to uphold, various political and social structures. Finally, the course will explore the ways in which gender and nature were portrayed in the broader cultural context. We will, for example, discuss the ways in which women were depicted as scientists and as symbols of science in art and literature.

FORMAT: Lecture| Seminar

CROSS-LISTING: GWST 2310.03, HSTC 2310.03

EMSP 2313 The Vampire: Modernity and the Undead

CREDIT HOURS: 3

Since the emergence of vampire stories in the late sixteenth century, the vampire has served as a complex symbol for forces that defy or challenge modernity. This course will examine the figure of the vampire as it appear in folklore, philosophy, fiction, poetry, film, and television. Throughout the course we will consider the works in their historical and cultural context, considering what changing ideas of the vampire can tell us about early modern and contemporary views of death, morality, national identity, sexuality, and gender.

EMSP 2320 Witchcraft in Early Modern Europe

CREDIT HOURS: 3

The period of European history from 1500 to 1800 saw the rise of modern science and philosophy. It was also a period in which thousands of witch trials and executions were carried out. This course will seek to understand how these seemingly contradictory developments could have occurred simultaneously. The course will examine changing conceptions of the witch and witchcraft in their historical, intellectual, cultural, religious, and political contexts. Questions that will be addressed include: How did the Renaissance interest in magic influence the Early Modern understanding of witchcraft? What impact did concerns about popular religion have on the witch trials? What constituted evidence that someone was a witch? What did Early Modern scientists think about witchcraft? The course will pay special attention to Early Modern notions of gender and sexuality and their influence on the witch hunts and witch trials.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 2320.03, RELS 2420.03

EMSP 2330 Nature Imagined: Literature and Science in Early Modern Europe

CREDIT HOURS: 3

The Scientific Revolution of the sixteenth, seventeenth, and eighteenth centuries brought about massive changes in the scientific world view. These changes also had a great influence on the literature of the period. Some writers were entranced by the new natural science, and sought to disseminate its principles and lionize its most significant figures. Other writers were harshly critical of the emerging notions of scientific progress and domination of nature. This course will examine the ways in which science was portrayed in Early Modern poetry, prose, and drama, in an attempt to understand how the new science, and new conceptions of nature, were understood and received in the broader philosophical and cultural context.

FORMAT: Lecture| Seminar

EXCLUSIONS: EMSP 2340.03 and HSTC 2340.03

EMSP 2340 The Origins of Science Fiction in Early Modern Europe

CREDIT HOURS: 3

In 1500, literate Europeans lived in a bounded, geocentric universe. By 1800, the sun had replaced the earth at the centre of a limited planetary system situated in infinite space. These changes prompted Early Modern philosophers, scientists and writers to consider the possibility that the universe might contain a plurality of worlds. This course will explore the ways in which the "plurality" theme was developed in some of the earliest works of science fiction. We will consider this theme as it appears in stories of intergalactic voyages, utopian societies, and encounters with extraterrestrial beings, paying special attention to the ways in which Early Modern writers used these tales to speculate on philosophical, political, and scientific issues.

FORMAT: Lecture| Seminar

CROSS-LISTING: HSTC 2340.03

EXCLUSIONS: EMSP 2330.03

EMSP 2350 The Body in Early Modern Europe

CREDIT HOURS: 3

This course will explore how the emergence of the modern self intersected with changing conceptions of the body. We will explore such topics as the rise of Renaissance anatomy; Early Modern perceptions of gender, race, and sexual difference; new explanations of madness and melancholy; monstrous and demonic bodies; representations of the diseased body; and the emergence of the modern ideal of the disciplined body.

FORMAT: Lecture| Tutorial

EMSP 2360 Magic, Science and the Occult: from Antiquity to Postmodernity

CREDIT HOURS: 3

The "Scientific Revolution" is ordinarily construed as the triumph of reason over superstition, of science over sorcery. This course argues that the rhetoric of "Enlightenment" conceals a deep continuity between modern science and the occult traditions of the Middle Ages and the Renaissance. The prototype of the experimental scientist is the Faustian magus. We investigate the role of Hermeticism, magic, and the occult in the scientific revolution and the persistence of these esoteric currents in later movements, from German Naturphilosophie to Jungian psychology.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HSTC 2120.03, HIST 2990.03

EMSP 2410 Imagining the Other: The Portrayal of the Non-European World in Early Modern Culture

CREDIT HOURS: 3

Europeans' encounter with non-European cultures in the early modern period shaped national economies, political power, and European self-understanding. Confrontation with non-European societies reinforced hegemonic, reflective, and self-critical aspects of European culture. The course analyzes how writers and artists implicitly engaged in clarifying and criticizing European identity as they came to terms with non-Europeans. The texts and images derive from Portuguese, Italian, Spanish, English, French, and Dutch sources from the late middle ages to the end of the eighteenth century. The contexts include Southeast Asia, India, Africa, North and South America, Polynesia, and purely imaginary settings.

EMSP 2420 Virtue, Vice, and the Commercial Society in Early Modern Literature

CREDIT HOURS: 3

An important development in Early Modern Europe is the emergence of the commercial society in the seventeenth and eighteenth centuries. The increasing power of the state, the rising middle class, and growing trade within and without Europe were accompanied by significant changes in religious, social, and political thought. The course will consider literary works by authors who grappled with the moral implications of the growth of commercial society in Europe, particularly in England at the beginning of the eighteenth century. The purpose of the course is to explore these complex changes in morality and society through the close examination of texts by authors such as Daniel Defoe, Bernard Mandeville, and Jonathan Swift. These authors sought to understand and to some extent criticize the notion of a society chiefly devoted to the acquisition of economic wealth. Furthermore, they employed literary genres such as travel literature and satire to explore the changing conceptions of virtue and vice in Europe, thus presenting often ambiguous treatments of commercial society. The theoretical justifications of commercial society in the thought of Hobbes and Locke will first be considered to provide a framework for discussion. As well, reference will be made throughout to other philosophical and artistic works of the period. Comparisons between the texts will be emphasized in written assignments and seminar presentations.

FORMAT: Lecture| Seminar

EMSP 2430 The Pursuit of Happiness in Early Modern Culture

CREDIT HOURS: 3

A central preoccupation in early modern European culture, particularly in the eighteenth century, was that of the attainment of happiness in one's private life and in society in general. Happiness was seen as the highest good by some thinkers - as arguably reflected, on a political level, in the American constitution - while others argued against the identification of happiness with goodness. This course will examine various literary and philosophical texts in which the pursuit of happiness in its diverse senses is an important theme. Depictions of the happy life as well as philosophical and literary critiques of the primacy given to happiness will be discussed.

FORMAT: Lecture| Seminar

EMSP 2440 Providence, Progress, Degeneration: Early Modern Ideas of Historical Transformation

CREDIT HOURS: 3

Against the background of works of both Renaissance historians and seventeenth - century state-of-nature theorists, eighteenth - century authors developed new theories of multi-staged historical existence. Readings may include selections from authors such as Vico, Rousseau, Voltaire, Smith, Gibbon, Lessing, Kant, and Herder.

FORMAT: Lecture| Seminar

EMSP 2450 The East is Read: Early Modern Conceptions of Asian Thought

CREDIT HOURS: 3

This class considers early modern European interpretations of key Asian texts. It assesses both the merits of early modern interpretations of Asian thought and what these interpretations reveal about the self-consciousness of European thinkers in the early modern period.

FORMAT: Seminar

CROSS-LISTING: CHIN 2080.03

EMSP 2460 Images of Modernity in Cinema: Early Modern Stories on Film

CREDIT HOURS: 3

This course is intended to introduce students to the history and culture of European and Asian societies from the sixteenth to early nineteenth centuries through the study of film. The motion pictures to be screened dramatize such events, themes, and/or stories as the Protestant Reformation, Shakespearean drama, the decline of chivalry in France and Japan, French Absolutism, the wild child phenomenon, and cross-cultural encounters in the Americas and South Pacific. Each week will include both a film screening and relevant lecture and discussion. The films may include such titles as *A Man for All Seasons* (1966), *Henry V* (1989), *Amadeus* (1988), *The New World* (2005), *Seven Samurai* (1954), *Cyrano de Bergerac* (1990), *Aguirre: The Wrath of God* (1972), *Black Robe* (1991), *The Wild Child* (1970), *The Bounty* (1984), and *Ridicule* (1996). Selected primary and secondary documents will be assigned to supplement the films. No prior knowledge of early modern history and culture is assumed.

FORMAT: Lecture| Discussion

EMSP 2470 Visions of Renaissance Political Thought in Film

CREDIT HOURS: 3

Renaissance political thought has been successfully adapted to films set in various imagined contexts. This course will examine the creative intersections between the political ideas in Renaissance texts and film adaptations in such settings as Renaissance England, feudal Japan, and modern-day Britain and the United States. The films may include such titles as *The Godfather I and II*, *Edward II*, *Richard III*, *Ran*, *Throne of Blood* and *The Revengers Tragedy*.

FORMAT: Lecture| Discussion

EMSP 2480 The Pirate and Piracy

CREDIT HOURS: 3

This course will examine early modern historical, philosophical, and literary accounts of pirates and piracy. It will also trace ancient and medieval precursors to these early modern treatments as well as consider later representations—literary and cinematic—of early modern piracy and implications for contemporary piracy.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 2750.03

EMSP 2510 Early Modern Art, Literature, and Politics in Florence, Italy

CREDIT HOURS: 6

This course provides an intensive introduction to the art, literature, philosophy, and politics of Early Modern Italy (1280-1580), with a special focus on Florence. Taught entirely on-site, this course offers students the unique opportunity to consider the civic, ecclesiastical, and domestic spheres of Renaissance Florentine life through daily visits to the city's town halls, churches, palaces, and museums.

FORMAT: Seminar

EMSP 3000X/Y The Study of Nature in Early Modern Europe

CREDIT HOURS: 6

This course provides an overview of the major changes and continuities of representation of the natural world in the sixteenth, seventeenth and eighteenth centuries. It seeks to recover the Early Modern understanding that the study of nature is incomprehensible if isolated from new techniques and technologies and from the philosophical and artistic disciplines. Because developments in the study of nature in this period are relative to institutional place and national location, the principal elements of the social, economic, political and cultural contexts within which scientists and philosophers of nature worked will be considered. As well, the aesthetic representations of nature and its study will be a theme throughout the course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

EMSP 3011 The Lecture Series

CREDIT HOURS: 3

See EMSP 2011.

EMSP 3203 Critiques of Modernity

CREDIT HOURS: 3

What is the status of the modern world? Is it a source of freedom and truth or rather the deconstruction of religion, humanity and nature? The contemporary period has defined itself in many ways through the critique of modernity. These critiques have come from an array of perspectives: philosophic, aesthetic, religious, moral, political. This course will provide a survey of a number of such critiques seeking to grasp both points of commonality, disagreement and development.

FORMAT: Seminar

CROSS-LISTING: CTMP 3103.03

EMSP 3210 The Dialectic of Enlightenment I

CREDIT HOURS: 3

In the course of criticizing tradition and integrating the experience of Renaissance and the Reformation, in responding to the beginnings of modern natural science and modern political institutions, Early Modern Europeans sought in diverse – and often conflicting – ways to express the self-understanding of Enlightenment. By the end of the eighteenth century, science, morality, and art were seen as different realms of activity in which questions of truth, justice, and taste could be separately determined, that is, evaluated according to their specific criteria of validity. This course will consider how these differences compelled European philosophers and theologians, artists and social theorists, to develop and expand their self-understanding to the point where enlightened reason could properly reflect the formal divisions of culture and make critical judgements in relation to them. Special attention will be paid to the relationship between faith and knowledge and the growing sense of conflict between religion and secular freedom.

FORMAT: Seminar

CROSS-LISTING: CTMP 3110.03

EMSP 3213 Kant and Radical Evil

CREDIT HOURS: 3

This course will examine the roots of the modern conception of radical evil in the late work of Immanuel Kant. Beginning with the traditional, pre-Kantian conception of evil as a merely negative phenomenon - as a lack or privation of being - we will trace the emergence of Kant's radical innovation, his positive conception of evil as the ineradicable "knot" at the very heart of human freedom. We will also consider at some length the subsequent career of Kant's doctrine in 19th and 20th Century thought.

FORMAT: Seminar

CROSS-LISTING: CTMP 3113.03

EXCLUSIONS: EMSP 3630.03

EMSP 3220 The Dialectic of Enlightenment II

CREDIT HOURS: 3

In enlightened European culture, religion, state, and society as well as science, morality, and art were gradually separated from one another under exclusively formal points of view, and subordinated to a critical reason that took on the role of a supreme judge. By the beginning of the nineteenth century, many Europeans began to question the self-understanding evoked by the principle of critical reason. This course will consider how enlightened freedom and reason moved European philosophers and theologians, artists and social theorists, to conceive of themselves historically, that is, to become conscious of the dissolution of tradition, and of the need to ground the divisions of culture in ideal forms of unity derived from the tradition. The course will pay particular attention to the relationship between religion and the demand that the unifying force in culture come from a dialectic residing in the principle of enlightened reason itself.

FORMAT: Seminar

CROSS-LISTING: CTMP 3115.03

EMSP 3230 Impersonations: Theatre, Performance and Identity in Early Modern England

CREDIT HOURS: 3

In his celebrated "Oration on the Dignity of Man," Pico della Mirandola glorified man's ability to "transform himself into what he most wills, taking like a chameleon the colour of all those things to which he is most nigh." For Pico as for many Early Modern thinkers, human subjects were distinguished less by preordained identities than by an actor-like ability to fashion and perform new selves. In Early Modern England, the burgeoning commercial theatre became a focal point for cultural debates about the social and ethical ramifications of this performative construction of the self. This course will explore these debates both as they relate to the growth of the professional theatre and in terms of their wider implications for Early Modern English society. We will begin by looking at the roles traditionally played by performance in the affirmation of identities both aristocratic and plebian. We will then go on to examine a number of plays from the main genres performed in English public theatres between 1590 and 1640. By reading these plays alongside primary sources from conduct manuals to statutes for theatre governance, and from playwrights' celebrations of their art to Puritans' attacks on the theatre's degeneracy, we will consider the huge range of cultural responses to the relationship between performance and identity in a rapidly shifting social order. Special attention will be paid to the interrogations of class, gender, sexuality, and morality implied in these works, and to their far-reaching effect on English society before and after the closure of the public theatres in 1642.

FORMAT: Seminar

EMSP 3240 Opera and the Idea of Enlightenment

CREDIT HOURS: 3

This course explores opera's emergence and development as a dominant Western art form during and after the Early Modern period. Through close analysis of key works, we will strive to understand how opera's fusion of music, drama, poetry and visual spectacle reflected-and helped to shape-changing ideals of enlightenment.

FORMAT: Lecture| Discussion

EMSP 3250 Atheism in Early Modern Europe

CREDIT HOURS: 3

Although atheism continues to be a source of controversy and debate, one of the most significant features of the modern world is the extent to which religious unbelief has become accepted as a morally and intellectually defensible position. This course will seek to understand the rise of modern atheism by examining its origins in the Early Modern world.

FORMAT: Lecture| Tutorial

CROSS-LISTING: RELS 3250.03

EMSP 3280 Love, lust, and desire in Italian Renaissance Art

CREDIT HOURS: 3

Love, lust, and desire – both spiritual and secular – are among the dominant themes in Italian Renaissance art and literature. In this course, we will examine the ways in which the artists, poets, theologians, and philosophers of this period struggled to define, and to represent, the complexities of love in all its facets. We will analyze the thematics of desire in male and female portraiture and mythological paintings, the erotics of mysticism in altarpieces, and the taboos of sex in early modern printmaking.

FORMAT: Seminar

EXCLUSIONS: Exclusion: EMSP 3640.03 for the 2010/11, 2011/12, 2012/13, 2013/14, 2014/15 academic years.

EMSP 3290 The Renaissance Print and Cross-Cultural Exchange

CREDIT HOURS: 3

Printmaking transformed how Early Modern artists put ideas to paper, told archetypal stories, and documented the natural world and contemporary events. It also altered how art was received and collected. Examining the material culture of prints thus engages a range of questions: from aesthetics to economics to cross-cultural knowledge transmission.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EMSP 3310 Hidden Worlds: Microscopy in Early Modern Europe

CREDIT HOURS: 3

Microscopes were introduced into Europe at the beginning of the seventeenth century. In the words of Robert Hooke, the microscope opened up a “new visible World” to the understanding -- a strange new landscape populated by vast numbers of new creatures. This course will explore the influence the microscope, and the micro - world that it opened up, in the development of Early Modern science. In the first part of the course, we will take a close look at early microscope technology and its evolution in the seventeenth, eighteenth, and early nineteenth centuries. The second part of the course will explore the role of the microscope in the evolution of Early Modern science. We will, for example, consider the role of microscopy in the emergence of the new mechanical philosophy and the new experimental science. We will also discuss the histories of some scientific theories (for example, of contagion and generation) that made particular use of observations made with microscopes. Finally, the microscope’s revelation of “new worlds” raised conceptual difficulties that puzzled scientists and philosophers alike. In the final part of the course we will consider the challenges that new kinds of experience raised for Early Modern philosophy, as well as the possible influence of philosophical debates on the acceptance of the new technology.

FORMAT: Seminar

CROSS-LISTING: HSTC 3310.03

EMSP 3321 In Search of the Philosopher's Stone: The History of European Alchemy

CREDIT HOURS: 3

This course traces the development of alchemical theories and practices in the Medieval Latin West up to the emergence of early modern chemistry. It employs a multi-disciplinary approach which treats the scientific, technological, esoteric and iconographic dimensions of alchemy as interdependent. The entire development of European alchemy is covered from the transmission of the Greek and Islamic alchemical traditions in the 12th century up to Newton, whose alchemical theories represent a point of transition to early modern chemistry in one direction, and to a more spiritualised occult philosophy in the other. This course is independent of HSTC 3120.03. All students interested in the intersections of science, magic and mysticism are welcome.

FORMAT: Lecture| Seminar

CROSS-LISTING: HIST 3990.03, HSTC 3121.03

EMSP 3330 Science and Religion: Historical Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the dawn of civilization to the end of the eighteenth century, with a special focus on the Early Modern period. From an examination of the biblical view of nature and ancient Babylonian astrology and divination, this course moves through a treatment of the centrality of theology to Medieval science on to natural theology and the “Watchmaker” Design Argument of the seventeenth and eighteenth centuries. Models of conflict, harmony and complementarity offered to characterize relations between science and religion are explored through case studies such as Galileo’s controversy with the Church and instances where religious belief inspired scientists like Boyle and Newton. Claims that certain confessional traditions (notably Protestantism and its dissenting offshoots) facilitated the rise of modern science are also appraised. Science-religion relations are examined both from the standpoint of mainstream religion and with respect to religious heterodoxy, prophecy, alchemy, magic, and witchcraft. This course employs examples from eastern and Islamic cultures in addition to the Judeo-Christian tradition. Special features include a focus on primary texts and guest lectures by scientists.

FORMAT: Seminar

CROSS-LISTING: HSTC 3200.03, HIST 3075.03

EMSP 3340 Knowledge is Power: Francis Bacon and the Birth of Modernity

CREDIT HOURS: 3

Modern western culture draws close connections between three facets of human experience: a) our knowledge of nature; b) our visions of what it is to be human; and c) power, or the political, social, and technological means by which we relate the first two: nature and human nature. The Renaissance period (roughly 1400-1630) was highly influential in laying the foundations for such modern connections, even as it seems to us to be a period rather different from our own. We will examine those connections in an exploration primarily of the work of Francis Bacon (1561 - 1626).

FORMAT: Lecture| Seminar

CROSS-LISTING: HSTC 3205.03

EMSP 3420 Religious Warfare and Political Theology in the Early Modern Period

CREDIT HOURS: 3

The sixteenth and seventeenth centuries in Europe witnessed tremendous upheavals in society, in part caused by religiously based strife. Many thinkers responded to these events by formulating “political theologies”, i.e., interpretations of religious teachings especially as contained in scripture with a view to assessing the political consequences of religion and to harmonizing religious interpretations with a particular conception of political life. We shall examine various Continental European and British texts of the Early Modern period which are both timely and thoughtful reflections on Christian teachings as they relate to and sometimes conflict with the philosophical underpinnings of the modern state and religious freedom.

FORMAT: Seminar

CROSS-LISTING: RELS 3010.03

EMSP 3430 Theories of Punishment: Retribution and Social Control in Early Modern Thought

CREDIT HOURS: 3

Among the distinctive characteristics of Early Modern thought are new conceptions of retribution and social control. In this course, we shall examine a number of texts which reflect the diversity of philosophical and theological approaches to law and punishment, both human and divine. We begin with a consideration of pre-modern and/or non-Western approaches to these issues. We then explore the various Early Modern reactions to and departures from these approaches, including the writings of Protestant thinkers and political philosophers before, during, and after the Enlightenment. Finally, we shall consider Foucault’s “normalization thesis” to see if it illuminates our understanding of Early Modern thought on punishment.

FORMAT: Seminar

EMSP 3440 Reconstructing Political Modernity

CREDIT HOURS: 3

This course will examine several interpretations of Early Modern philosophers by twentieth-century authors who are original political thinkers in their own right. These interpretations have involved as much reconstruction of Early Modern thought as faithful scholarly commentary. Indeed, they sometimes shed more light on the interpreter than the thinkers being interpreted. Thus, we shall critically analyze the radical transformations of Early Modern texts that were undertaken in order to make these works relevant to social and political questions centuries later.

FORMAT: Seminar

PREREQUISITE: One of: CTMP 2000.06, CTMP 2100.03, CTMP 2101.03, CTMP 3110.03, CTMP 3115.03, EMSP 2000.06, EMSP 2440.03, EMSP 3210.03, EMSP 3220.03, EMSP 3420.03, EMSP 3430.03, EMSP 4000.06, PHIL 2210.03, PHIL 2220.03, PHIL 2270.03, POLI 2400.03, POLI 2410.03, POLI 2420.03, or instructor's permission.

CROSS-LISTING: CTMP 3135.03

EMSP 3450 Common Tragedy: Catastrophe, Loss and Ambition in Early Modern Europe

CREDIT HOURS: 3

Modern consciousness can be defined by new visions of death, loss and ambition. As modernity emerges and "matures", so do writings on catastrophe. Writings from the catastrophic fourteenth - century, the seventeenth - century plague, and the 1755 Lisbon earthquake provide insight into shifts and continuities between late medieval and modern senses of the self.

FORMAT: Lecture

EXCLUSIONS: EMSP 3630.03 for the 2006/07 academic year only

EMSP 3510 Independent Readings in Early Modern Studies

CREDIT HOURS: 3

In a reading course the student is assigned to a member of staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected. Only one full credit or the equivalent may be taken in a year. No more than two full credits of this type may be taken during the course of study.

NOTE: Course Details listed here also apply to EMSP 3511/EMSP 3515/EMSP 4510/EMSP 4511/EMSP 4515.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Honours registration in Early Modern Studies, permission of the instructor and the Director of the Programme. Restricted to students in 3rd year and above.

EMSP 3511 Independent Readings

CREDIT HOURS: 3

See EMSP 3510.

EMSP 3515X/Y Independent Readings in Early Modern Studies

CREDIT HOURS: 3

See EMSP 3510.

EMSP 3610 Studies in Early Modern Subjectivities

CREDIT HOURS: 3

In this course, students will explore a focused topic in an interdisciplinary context. Topics vary each year. Some of the topics are "Empirical Selves and Transcendental Selves in German Idealism", "Freedom and Necessity in Enlightenment Debates about the Self", "Self Portrait in Literature and the Visual Arts", and "Reformation and Subjectivity in Early Modern Thought".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Lecture| Discussion

EMSP 3620 Studies in Early Modern Natural Philosophy

CREDIT HOURS: 3

In this course, students will explore a focused topic in an interdisciplinary context. Topics vary each year. Some of the topics are "Teleology", "Exploration and Early Modern Natural Philosophy", and "Mathematics and Metaphysics in the Seventeenth Century".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Lecture| Discussion

EMSP 3630 Studies in Early Modern Social and Political Thought

CREDIT HOURS: 3

In this course, students will explore a focused topic in an interdisciplinary context. Topics vary each year. Some of the topics are "States of Nature in Early Modern Political Thought", "The Seventeenth-Century Discovery of Sovereignty", "The Concept of the State", and "Apocalyptic Thought in the Early Modern Period".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Lecture| Discussion

EMSP 3640 Studies in Early Modern Aesthetics

CREDIT HOURS: 3

In this course, students will explore a focused topic in an interdisciplinary context. Topics vary each year. Some of the topics are "The Quarrel of the Ancients and Moderns", "The Status of the Artist in Society", and "Storm and Stress".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Lecture| Discussion

EMSP 4000X/Y Conceptions of State, Society, and Revolution in the Early Modern Period

CREDIT HOURS: 6

This course involves close examination of political works by important and influential writers from the sixteenth to early nineteenth centuries. These writers reflected on historical changes and events in their day - including the disunity of Italy, the Protestant Reformation, the English civil war, the Glorious Revolution, the rise of bourgeois society, the French Revolution, and the Napoleonic wars - and sometimes formulated complex and sophisticated accounts of human society, sometimes to provide for social and political stability, sometimes to promote freedom and justice. We shall trace the development of their ideas, from philosophical and literary investigations into human nature and contractual theories of society to considerations on political life in relation to philosophy of history. Assigned texts will include works by such authors as Machiavelli, Shakespeare, Hobbes, Milton, Locke, Swift, Montesquieu, Rousseau, Lessing, Goethe, Kant, Burke, Wellstonecraft, Schiller, and

Hegel.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

EMSP 4011 The Lecture Series

CREDIT HOURS: 3

See EMSP 2011.

EMSP 4300 Nature and Romanticism

CREDIT HOURS: 3

Kant's "Copernican Revolution" in philosophy, ironically, marked a resurrection of a full-blown "idealist" philosophy of nature. This course will investigate the attempts of Kant's followers to construct a natural philosophy and its engagement with the rival mechanical world picture. It explores the implications of this endeavour for the growth of romanticism, vitalism and our modern picture of "nature". It begins with an examination of the ambiguous heritage presented by Kant's writings on nature and proceeds through the attempts to develop a complete program of idealist *Naturphilosophie* and its spread throughout European thought by the medium of romanticist art and natural philosophy.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HSTC 4300.03

EMSP 4310 Newton and Newtonianism

CREDIT HOURS: 3

This seminar involves a close study of the work of Isaac Newton, along with that of his supporters and detractors. Beginning with an overview of pre-Newtonian science, topics range from Newton's rejection of Cartesianism through his contributions to mathematics, physics, astronomy and optics, along with his inductive scientific method, laws of motion, and calculus priority dispute with Leibniz. Also considered are lesser-known aspects of his career, such as his secretive pursuit of alchemy, his heretical theology, his attempts to unravel the Apocalypse, his role in British statecraft, and his autocratic rule of the Royal Society. A taxonomy of the forms of Newtonianism that emerged after Newton's death also allows an exploration of iconographical and apologetic uses of Newton, and his differing legacies in the Britain and France. This seminar concentrates on primary readings, including Newton's *Principia* (1687), *Opticks* (1704), alchemical treatises and unpublished theological papers, as well as the Leibniz-Clarke correspondence (1717), anti-Newtoniana and eighteenth-century popularizations of Newtonianism such as Voltaire's *Philosophical letters* (1733) and Maclaurin's *Account of Newton's discoveries* (1748). Attention is paid to the social, cultural, and political aspects of Newtonianism and no prior knowledge of science is required.

FORMAT: Seminar

CROSS-LISTING: HSTC 4400.03

EMSP 4500X/Y Honours Seminar in Early Modern Studies: The Development of Aesthetic Theory in the Early Modern Period

CREDIT HOURS: 6

While the arts have been a topic of theoretical concern since antiquity, it is only in the Early Modern period that aesthetics emerged as an independent field of inquiry.

This seminar will consider how the various understandings of the arts with which the Early Modern period began developed into the independent field of aesthetics.

Throughout the course, art and literature of the period will be studied in conjunction with theoretical texts. This course may be designated as fulfilling the honours qualifying examination requirements for an EMSP Combined Honours BA (see section 6 of Degree Program above). Students are also welcome to take this course as an elective with the permission of the instructor.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Honours registration in Early Modern Studies or permission of the instructor. Restricted to students in 3rd year and above.

EMSP 4510 Independent Readings in Early Modern Studies

CREDIT HOURS: 3

See EMSP 3510.

EMSP 4511 Independent Readings in Early Modern Studies

CREDIT HOURS: 3

See EMSP 3510.

EMSP 4515X/Y Independent Readings in Early Modern Studies

CREDIT HOURS: 3

See EMSP 3510.

EMSP 4550X/Y Honours Thesis in Early Modern Studies: Reading and Research

CREDIT HOURS: 6

In this course the student is assigned to a member of staff for regular meetings to discuss readings and present research for the purpose of completing an honours thesis in Early Modern Studies. @list2 = @list2 =

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Honours registration in Early Modern Studies, permission of the instructor, and the Director of the Program

EMSP 4610 Special Topics in Early Modern Subjectivities

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year. Some of the topics are "Montaigne", "Interiority in Shakespeare", and "Jansenism and the Self".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Seminar

EMSP 4620 Special Topics in Early Modern Natural Philosophy

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year. Some of the topics are "Leibniz", "Goethe's Natural Science", and "Experimentalism".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Seminar

EMSP 4630 Special Topics in Early Modern Social and Political Thought

CREDIT HOURS: 3

This Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year. Some of the topics are "Hobbes", "Machiavelli and Reason of State Theories", and "Milton and Early Modern Political Theory".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Seminar

EMSP 4640 Special Topics in Early Modern Aesthetics

CREDIT HOURS: 3

The Special Topics courses focus on one author or one particular school of thought in an interdisciplinary context. Topics vary each year. Some of the topics are "Sterne and British Empiricism", "Romanticism as a European Phenomenon", and "Hegel's Aesthetics".

NOTES: Not more than one of each course number can be taken for credit towards the Early Modern Studies Program.

FORMAT: Seminar

English

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1186

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3384

Fax: (902) 494-2176

Website: www.dal.ca/english

Email Address: englwww@dal.ca

Introduction

The study of English includes both analysis of texts and awareness of contexts. The texts proposed for analysis in various English courses will range from the traditional to the contemporary; English is a discipline which can and does adjust to include writings by Tomson Highway, Toni Morrison, and Chinua Achebe alongside works by Chaucer, Shakespeare, Milton, Austen, and the rest. The wide range of human experience represented in these texts can provide the student with what Kenneth Burke has called "equipment for living." In more practical terms, the discipline of English fosters the development of various human skills: it requires the student to think, and to use language with clarity, judgment, and imagination.

But individual works of literature are also related in various ways to their social, cultural, and political contexts. For this reason, curiosity about a particular text often leads to enquiries that touch upon history, philosophy, politics, religion, biography, and the fine arts as well. The written text turns out to be a link between an individual sensibility and the rest of the world. The value of English studies therefore, though difficult to measure, can be discovered both in the large semiologies of the cultures to which we belong, and in the smallest nuances of the language we use.

The calendar descriptions describe all English courses. Not all are offered in any given year. **Students should consult the English Department website for updated information about which courses are offered this year, and to get detailed descriptions of courses (with booklists).** There is a variety of first-year (1000-level) English courses to suit all inclinations and needs, and all sections with a number ending in -0 can be used to fulfill the University Writing Requirement. Once the first year is complete, students may register in any course at the 2000 or 3000 level, but should ensure that they have the necessary prerequisites (most courses require six credit hours in English at the 1000 level, or else Theatre 1000 or King's Foundation Year, but a few are open to anyone with a Writing Requirement course in any discipline). The wide-ranging 2000 level courses are well suited to those concentrating in English, or studying it as a complement to their main area, or taking it as an elective. The smaller and more historically-focused 3000 courses are also open to both majors and non-majors. More intensive seminars at the 4000 level are mainly intended for students in their third and fourth years of an English Majors or Honours program. Two of the three credit hour surveys (ENGL 2001, ENGL 2002, ENGL 2003, ENGL 2004, ENGL 2005, ENGL 2006) and one of the three credit hour theory courses (ENGL 3000, ENGL 3001, ENGL 3002) are required of all English 90 credit hour minor, 120 credit hour Majors, and 120 credit hour Honours students. All of these courses are described in detail at <http://www.dal.ca/english>.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

McNeil, D., BA (Concordia), MA (UNB), PhD (McMaster)

Undergraduate Advisor

Luckyj, C., BA, MA, PhD (Toronto)

Professors Emeriti

Fraser, J., MA (Oxon), PhD (Minn), FRSC

Wainwright, J. A., BA (Toronto), MA, PhD (Dalhousie), McCullough Professor in English

Professors

Barker, W. A. B. (Dartmouth), MA, BEd, PhD (Toronto)

Baxter, J. R., BA, BEd, MA, PhD (Alta)

Diepeveen, L. P ., BA (Calvin Col), MA, PhD (Ill), George Munro Professor in Literature and Rhetoric in English

Furrow, M. M., BA (Dalhousie), MA, MPhil, PhD (Yale)

Huebert, R., BA (Sask), MA, PhD (Pitt)

Luckyj, C., BA, MA, PhD (Toronto)

Stone, M. I., BA (Guelph), MA, MPhil (Waterloo), PhD (Toronto), McCulloch Chair in English

Tetreault, R. R., BA (UBC), MA, PhD (Cornell)

Thompson, J. A., BA (Western), MA, PhD (Toronto)

Wright, J., BA, MA, PhD (Western)

Associate Professors

Bennett, E., BA, MA (Dalhousie), MA (Carleton), PhD (Dalhousie)

Cawsey, K., BA (Wilfrid Laurier), MPhil (Oxford), PhD (Toronto)

Dawson, C., BA (UBC), MA (Sussex), PhD (Queensland)

Enns, A., BA (University of North Carolina), MA (Hollin University), MA, PhD (University of Iowa)

Evans, D., BA (Toronto), MA, PhD(Rutgers)

Greenfield, B., BA (York), MA (McGill), PhD (Columbia)

Haslam, J., BA, MA (McGill), PhD (Waterloo)

Irvine, D., BA (Victoria), MA (Calgary), PhD (McGill)

Maitzen, R., BA (UBC), MA, PhD (Cornell)

McNeil, D., BA (Concordia), MA (UNB), PhD (McMaster)

Ross, T., BA, MA (Carleton), PhD (Toronto)

White, J., BA (Oregon), MA, PhD (Alberta)

Assistant Professors

Brittan, A., BA, MA (Toronto), PhD (Pennsylvania)

Vautour, B., BA (Guelph), MA (UT/OISE), MA, PhD (Dalhousie)

Senior Instructor

Choyce, L., BA (Rutgers), MA (Montclair), MA (CUNY)

BA with Honours in English

Students must meet the faculty requirements for honours, which include 54 to 66 credit hours in English above the 1000 level; within these courses, students must take the following:

1. at least one of ENGL 3000.03, ENGL 3001.03 or ENGL 3002.03
2. at least two (six credit hours) of the six 2000-level surveys (ENGL 2001.03, ENGL 2002.03, ENGL 2003.03, ENGL 2004.03, ENGL 2005.03, ENGL 2006.03)
3. at least six credit hours in each of the following two groups
 - a. Old English, Middle English, Renaissance (ENGL 2018.03, ENGL 2020.03, ENGL 2214.06, ENGL 3005.03, ENGL 3007.06, ENGL 3010.03, ENGL 3011.03, ENGL 3015.03)
 - b. Restoration, Eighteenth-Century, Romantic, Victorian, American (pre 1914) (ENGL 3017.03, ENGL 3019.03, ENGL 3020.03, ENGL 3022.03, ENGL 3026.03, ENGL 3027.03, ENGL 3029.03, ENGL 3031.03, ENGL 3032.03, ENGL 3040.03, ENGL 3061.03, ENGL 3062.03)
4. ENGL 4990.00 English Honours Capstone (non-credit course)
5. 15 credit hours at the 4000 level

To be considered for the Honours program, students must attain a 3.3 avg. GPA in upper-level English courses, and apply to the English Department Chair.

BA with Combined Honours

Students must meet the faculty requirements for combined honours degrees, which include at least 30 and no more than 48 credit hours in English above the 1000 level (at least 66 to a maximum of 84 credit hours in both subjects. Among the English courses, students must take:

1. at least one of ENGL 3000.03, ENGL 3001.03 or ENGL 3002.03
2. at least three credit hours of the 18 credit hours of 2000 level surveys (ENGL 2001.03, ENGL 2002.03, ENGL 2003.03, ENGL 2004.03, ENGL 2005.03, ENGL 2006.03)
3. at least three credit hours in each of the following two groups
 - a. Old English, Middle English, Renaissance (ENGL 2018.03, ENGL 2020.03, ENGL 2214.06, ENGL 3005.03, ENGL 3007.06, ENGL 3010.03, ENGL 3011.03, ENGL 3015.03)
 - b. Restoration, Eighteenth-Century, Romantic, Victorian, American (pre 1914) (ENGL 3017.03, ENGL 3019.03, ENGL 3020.03, ENGL 3022.03, ENGL 3026.03, ENGL 3027.03, ENGL 3029.03, ENGL 3031.03, ENGL 3032.03, ENGL 3040.03, ENGL 3061.03, ENGL 3062.03)
4. ENGL 4990.00 English Honours Capstone (for students weighting their programs towards English)
5. nine credit hours at the 4000 level

To be considered for the Honours program, students must attain a 3.3 average GPA in upper-level English courses, and apply to the English Department Chair.

BA (120 credit hour) Major in English

Students must meet the faculty requirements, which include 36 to 54 credit hours in English above the 1000 level, including 18 credit hours above the 2000 level; within these 36 to 54 credit hours, they must take the following:

1. at least one of ENGL 3000.03, ENGL 3001.03 or ENGL 3002.03
2. at least 6 credit hours of the 2000 level surveys (ENGL 2001.03, ENGL 2002.03, ENGL 2003.03, ENGL 2004.03, ENGL 2005.03, ENGL 2006.03)
3. at least six credit hours in each of the following two groups:
 - a. Old English, Middle English, Renaissance (ENGL 2018.03, ENGL 2020.03, ENGL 2214.06, ENGL 3005.03, ENGL 3007.06, ENGL 3010.03, ENGL 3011.03, ENGL 3015.03)
 - b. Restoration, Eighteenth-Century, Romantic, Victorian, can (pre 1914) (ENGL 3017.03, ENGL 3019.03, ENGL 3020.03, ENGL 3022.03, ENGL 3026.03, ENGL 3027.03, ENGL 3029.03, ENGL 3031.03, ENGL 3032.03, ENGL 3040.03, ENGL 3061.03, ENGL 3062.03)
4. three credit hours at the 4000 level

Double Major

Students must meet the requirements for the double major, which include 60 to 84 credit hours in the Major subjects above the 1000 level (no more than 48 and no fewer than 30 credit hours in either). Students must take at least 12 credit hours above the 2000 level in each subject. Among their English courses, students must take:

1. at least one of ENGL 3000.03, ENGL 3001.03 or ENGL 3002.03

2. at least three credit hours of the 2000 level surveys (ENGL 2001.03, ENGL 2002.03, ENGL 2003.03, ENGL 2004.03, ENGL 2005.03, ENGL 2006.03)
3. at least three credit hours in each of the following two groups
 - a. Old English, Middle English, Renaissance (ENGL 2018.03, ENGL 2020.03, ENGL 2214.06, ENGL 3005.03, ENGL 3007.06, ENGL 3010.03, ENGL 3011.03, ENGL 3015.03)
 - b. Restoration, Eighteenth-Century, Romantic, Victorian, American (pre 1914) (ENGL 3017.03, ENGL 3019.03, ENGL 3020.03, ENGL 3022.03, ENGL 3026.03, ENGL 3027.03, ENGL 3029.03, ENGL 3031.03, ENGL 3032.03, ENGL 3040.03, ENGL 3061.03, ENGL 3062.03)
4. three credit hours at the 4000 level

BA (90 credit hour) Minor in English

See the Minor in English section of this Calendar

Emphasis in Canadian Studies

English students interested in obtaining an emphasis in Canadian Studies along with their major in English should consult the Canadian Studies calendar entry for information on requirements and for a list of English courses approved with Canadian Studies.

Creative Writing Program

The Creative Writing program in the Faculty of Arts and Social Sciences is not restricted to FASS students, and allows any Dalhousie student interested in writing fiction, poetry, dramatic narrative (playwriting), and narrative non-fiction to take 24 credit hours in creative writing above the first-year level, thus combining these courses with his or her major or honours area of study. Therefore, the program would fulfill a BA (120 credit hours) Double Major program with creative writing as the secondary area, or a BA (120 credit hours) Combined Honours program with creative writing as a secondary area.

- Program Prerequisite
- CRWR 2000.06 (The Creative Process)
- Equivalent of 12 credit hours from:
 - CRWR 3000.03 (Poetry)—20 students (cap)
 - CRWR 3001.03 (Fiction)—20 students (cap)
 - ENGL 3098.03 (Creative Writing: Poetry I)—24 students (cap)
 - ENGL 3099.03 (Creative Writing: Fiction I)—24 students (cap)
 - THEA 3600.06 (Playwriting)—15 students (cap)
 - JOUR 3440.03X/JOUR 3441.03Y (Narrative Non-Fiction at University of King's College)-25 students (cap)
- Six credit hours from:
 - CRWR 4000.06 (Advanced Poetry)—20 students (cap)
 - CRWR 4001.06 (Advanced Fiction)—20 students (cap)
 - CRWR 4003.06 (Advanced Narrative Non-Fiction)—25 students (cap)

Note: If you are taking the Creative Writing Program, CRWR 2000 is a prerequisite for any of the third year seminars. Also, if you are taking the program, ENGL 3098.03 is a prerequisite for CRWR 3000.03 and ENGL 3099.03 is a prerequisite for CRWR 3001.03.

Students interested in Creative Writing but not completing the program may enter individual third year CRWR seminars with the instructor's permission.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

ENGL 1010.03, ENGL 1020.03, ENGL 3000.03, ENGL 3001.03, ENGL 3002.03, and ENGL 4990.00 are offered every year, as are most of the six 2000 level surveys (ENGL 2001-2006). Other courses may not be offered every year. **Please consult the department's website to determine this year's course offerings.**

English Courses at the 1000 level

The study of English at the 1000 level is an occasion to read, discuss, and write about works of literature, as well as other forms of verbal and visual culture. All English courses at the 1000 level emphasize the variety and excitement of thinking in the verbal arts, and they all deploy techniques for analyzing and writing about texts.

In addition to these general goals, any full-credit course, or any two half-credit courses in English at the 1000 level with a number ending in -0 will fulfill the College of Arts and Sciences requirement for a Writing Course. The same course or courses will fulfill the College of Arts and Sciences Languages and Humanities requirement, as well as serving as the pre-requisite for upper-level courses in English (where these are required).

In addition to fulfilling the above mentioned requirements, students are free to take more courses in English at the 1000 level.

It is important to remember when you are choosing more than one 1000 level course how they relate to one another. ENGL 1010.03 and ENGL 1020.03 are complementary single term, three credit hour courses, between them covering the genres of prose, poetry, and drama that the six credit hour course ENGL 1000.06 covers in fall and winter term. Each section of these three courses has a different instructor and a different variety of older and contemporary literary texts. ENGL 1011.03 will be taught together with ENGL 1010.03, and ENGL 1021.03 together with ENGL 1020.03: these smaller sections will be offered for those who want to take the subject matter of ENGL 1010 or ENGL 1020, but without taking them as Writing Requirement courses. Because of the overlap of subject matter (the study of genres), you cannot take 1000 and any of the set 1010, 1011, 1020, or 1021 in order to count more than six credit hours towards a degree.

English 1040.03 (ENGL 1040.03 Reading Popular Culture) and English 1050.03 (ENGL 1050.03 Pulp Fiction) differ from the genre courses just discussed in terms of their subject matter and critical approach. They also have non-writing requirement versions (ENGL 1041 and ENGL 1051), and they can be taken by themselves or together with ENGL 1000 or ENGL 1010, ENGL 1011, ENGL 1020, ENGL 1021.

In addition to these courses focusing on the analysis of literary texts, the English Department offers ENGL 1100.03, ENGL 1100.03 Writing for University. This course prepares students to write analytic and research papers. The focus of this course is on the principles and practice of composition and not on the analysis of works of literature. In combination with any of the other 1000 level three credit hour courses in English with a number ending in -0 (that is, 1010, 1020, 1040, or 1050), it fulfills the Writing Requirement.

As an aid to choosing courses at the 1000 level, students should consult the detailed description of each course available on the English Department's web site. Some examples of patterns of course choice that would allow fulfillment of the Writing Requirement and the humanities distribution requirement, and would allow all three - three credit hour courses to be counted for credit, would include 1010, 1020, and 1041; or 1100, 1020, and 1011; or 1050, 1100, 1021; and so on.

English Courses at the 2000 level

Courses at the 2000 level are open to **any** student above the first year, with the necessary prerequisites. They include writing-intensive surveys of historical periods, national literatures, and major fields intended as an entrance into the discipline of literary studies, as well as a colorful selection of genre-, author- and topic-oriented courses. Any two of the six - three credit hour surveys (ENGL 2001, ENGL 2002, ENGL 2003, ENGL 2004, ENGL 2005, ENGL 2006) will fulfill the 2000-level requirements for the English minor, major, or honours programs. The following courses will accept any university Writing Requirement credit as a prerequisite: ENGL 2018, ENGL 2030, ENGL 2040, ENGL 2060, ENGL 2080, ENGL 2088, ENGL 2090, ENGL 2095, ENGL 2110, ENGL 2202, ENGL 2218, ENGL 2221, ENGL 2231, ENGL 2232, ENGL 2233, ENGL 2236. As these courses are not offered every year, **students are strongly encouraged to consult the detailed description of this year's courses available on the English Department's web site.**

English Courses at the 3000 Level

Courses at the 3000 level are usually smaller than 2000-level courses, and are likewise open to **any** student above the first year, with the necessary prerequisites. They include a group of literary methods courses as well as a sequence of courses covering the chronological sweep of English literary history. Any one of the three methods courses offered each year (ENGL 3000.03, ENGL 3001.03, ENGL 3002.03) will fulfill the requirement for the English minor, major, or honours programs. Most 3000-level courses require a first-year English credit as prerequisite, but ENGL 3112.03, ENGL 3203.03, and ENGL 3310.03 will accept any university Writing Requirement credit. As these courses are not offered every year, **students should consult the English department website for detailed descriptions of this year's courses.**

English Courses at the 4000 Level

Courses at the 4000 level are small seminars intended for third and fourth-year English majors or honours students, offering intensive, research-oriented study of special topics, particular authors or periods, national traditions, literary or cultural forms and theories. Reflecting the specialties of their instructors, their subjects change every year. **Students should consult the detailed description of this year's seminars available on the English department website, and meet with an English department advisor before enrolling in one of these seminars.**

Studies in Major Authors - 4011-4099

Studies in Genre - 4200-4299

Studies in National Literatures - 4400-4499

Studies in Literature History - 4600-4699

Studies in Culture and Theory - 4800-4899

Course Descriptions - English

ENGL 1000X/Y Introduction to Literature

CREDIT HOURS: 6

This course has two broad but connected objectives: (a) to introduce students to the advanced study of literature in English; (b) further to develop students' literacy skills so that they will be more critical and responsive readers and more exact and imaginative writers. The texts to be studied will differ from section to section, but all sections will explore a variety of authors, genres, national literatures, and time periods. Students can expect to read writers from William Shakespeare to William Gibson, from George Eliot to George Elliot Clarke, and from Jane Austen to Jack Kerouac. Practice in writing is carried on throughout the year in regular essays. **For a more complete description of all sections and of texts, students should consult the Departmental website.** ENGL 1000.06 will satisfy the University Writing Requirement and serve as prerequisite for entry into most upper-level courses.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1010.03, ENGL 1020.03

ENGL 1010 Prose and Fiction: Writing Requirement

CREDIT HOURS: 3

This course shares with its complement, ENGL 1020.03, two broad but connected objectives: (a) to introduce students to the advanced study of literature; (b) to develop students' literacy skills further so that they will be more critical and responsive readers and more exact and imaginative writers. Terminology and concepts central to literary studies will be introduced. The course will consider the effect of genre, and it will focus on non-fictional prose (such as essays and autobiography) and fiction (such as short stories and novels). Both recent and early examples of various genres will be explored. Please consult the full description of each section on the departmental website to find the one best suited to your interests. Explicit instruction in clear and forceful writing is an important component of this course.

NOTES: Any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1050.03, or ENGL 1100.03 will satisfy the University Writing Requirement and serve as prerequisite for entry into most upper-level English courses.

FORMAT: Lecture| Tutorial

EXCLUSIONS: ENGL 1000, ENGL 1011

ENGL 1011 Prose and Fiction: non-Writing Requirement

CREDIT HOURS: 3

This course shares with its complement, ENGL 1021.03, two broad but connected objectives: (a) to introduce students to the advanced study of literature; (b) to develop students' literacy skills further so that they will be more critical and responsive readers and more exact and imaginative writers. Terminology and concepts central to literary studies will be introduced. The course will consider the effect of genre, and it will focus on non-fictional prose (such as essays and autobiography) and fiction (such as short stories and novels). Both recent and early examples of various genres will be explored. Please consult the full description of each section on the departmental website to find the one best suited to your interests. This is the non-Writing Requirement version of the course. For the WR version see ENGL 1010.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1000, ENGL 1010

ENGL 1020 Poetry and Drama: Writing Requirement

CREDIT HOURS: 3

This course shares with its complement, ENGL 1010.03, two broad but connected objectives: (a) to introduce students to the advanced study of literature; (b) to develop students' literacy skills further so that they will be more critical and responsive readers and more exact and imaginative writers. Terminology and concepts central to literary studies will be introduced. The course will consider the effect of genre, and focus on drama and various forms of poetry. Both recent and early examples of various genres will be explored. Please consult the full description of each section on the departmental website to find the one best suited to your interests. Explicit instruction in clear and forceful writing is an important component of this course.

FORMAT: Lecture| Discussion

PREREQUISITE: Any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, ENGL 1050.03, or ENGL 1100.03 will satisfy the University Writing Requirement and serve as prerequisite for entry into most upper-level English courses.

EXCLUSIONS: ENGL 1000, ENGL 1021

ENGL 1021 Poetry and Drama: non-Writing Requirement

CREDIT HOURS: 3

This course shares with its complement, ENGL 1011.03, two broad but connected objectives: (a) to introduce students to the advanced study of literature; (b) to develop students' literacy skills further so that they will be more critical and responsive readers and more exact and imaginative writers. Terminology and concepts central to literary studies will be introduced. The course will consider the effect of genre, and focus on drama and various forms of poetry. Both recent and early examples of various genres will be explored. Please consult the full description of each section on the departmental website to find the one best suited to your interests. This is the non-Writing Requirement version of the course. For the WR version see ENGL 1020.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1000, ENGL 1020

ENGL 1040 Reading Popular Culture: Writing Requirement

CREDIT HOURS: 3

This course introduces students to methods of analyzing forms of cultural expression. It engages students in the serious study of diverse creative media including film,

television, literature, video games, electronic texts, jokes, advertising, graffiti, cartoons, song lyrics and consumer goods. Explicit instruction in clear and forceful writing is an important component of this course. For the non-WR version, see ENGL 1041.

FORMAT: Lecture| Discussion

CROSS-LISTING: ENGL 1042.03

EXCLUSIONS: ENGL 1041.03

ENGL 1041 Reading Popular Culture: non-Writing Requirement

CREDIT HOURS: 3

This course introduces students to methods of analyzing forms of cultural expression. It engages students in the serious study of diverse creative media including film, television, literature, video games, electronic texts, jokes, advertising, graffiti, cartoons, song lyrics and consumer goods. This is the non-Writing Requirement version of the course: For the WR version, see ENGL 1040.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1040.03, ENGL 1042.03

ENGL 1042 Reading Pop Culture

CREDIT HOURS: 3

This course introduces students to methods of analyzing forms of cultural expression. It engages students in the serious study of diverse creative media including film, television, literature, video games, electronic texts, jokes, advertising, graffiti, cartoons, song lyrics and consumer goods. Explicit instruction in clear and forceful writing is an important component of this course. For the non-WR version, see ENGL 1041. This section is primarily for Engineering students and is held on Sexton campus.

FORMAT: Lecture| Tutorial| Discussion

CROSS-LISTING: ENGL 1040.03

EXCLUSIONS: ENGL 1041.03

ENGL 1050 Pulp Fiction: Writing Requirement

CREDIT HOURS: 3

This course provides an entry point to the discussion of literature through 'pulp' genres such as romance, mystery/crime, the Western, sci-fi/fantasy, horror, sports literature, and comic books. It is available in Writing-Requirement and non-Writing Requirement versions. Explicit instruction in clear and forceful writing is an important component of this course. For the non-Writing Requirement version, see ENGL 1051.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1051.03

ENGL 1051 Pulp Fiction: non-Writing Requirement

CREDIT HOURS: 3

This course provides an entry point to the discussion of literature through 'pulp' genres such as romance, mystery/crime, the Western, sci-fi/fantasy, horror, sports literature, and comic books. This is the non-Writing requirement version of the course. For the WR version see ENGL 1050.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 1050.03

ENGL 1100 Writing for University

CREDIT HOURS: 3

An introduction to rhetoric and composition, this course is designed to prepare students to write analytic and research papers. Grammatical and rhetorical terms are addressed, and the course includes a number of assignments to hone writing skills from outline to revision.

FORMAT: Lecture| Discussion

ENGL 2001 British Literature to 1800

CREDIT HOURS: 3

This course traces the course of British Literature from its beginnings to the year 1800. Starting with Old English works such as *Beowulf* in their historical contexts, we will move on to Middle English, Renaissance, Restoration, and eighteenth-century literature, looking at writers such as Chaucer, Shakespeare, Donne, Milton, Behn, Swift, and Pope. This course puts special emphasis on developing skills in critical thinking, literary historical research, and scholarly argumentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

EXCLUSIONS: ENGL 2205.06

ENGL 2002 British Literature after 1800

CREDIT HOURS: 3

This course studies many of the traditions and influential writers in British Literature from 1800 to the present. Studying these writers will orient students to British literary history and introduce them to key issues and concepts. This course will also emphasize developing skills in critical tinkering, scholarly argumentation, and documentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

EXCLUSIONS: ENGL 2205.06

ENGL 2003 American Literature

CREDIT HOURS: 3

This course is an introduction to some of the traditions and influential texts of American literature, from its colonial beginnings to the present, providing historical orientation and demonstrating the diversity of American literature. The course will also emphasize developing skills in critical thinking, scholarly argumentation, and documentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

ENGL 2004 Canadian Literature

CREDIT HOURS: 3

From early exploration narratives to contemporary fiction, this course will survey a wide range of key texts in the development of Canadian literature in English. It will consider the literary and historical contexts that inform our readings, and identify and interrogate the various myths, images, icons and institutions that structure our ideas of what it means to be Canadian. This course will also emphasize developing skills in critical thinking, scholarly argumentation, and documentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

CROSS-LISTING: CANA 2004.03

EXCLUSIONS: ENGL 2207.06

ENGL 2005 World Literature

CREDIT HOURS: 3

This course will introduce students to some of the most influential writers from around the globe, with a focus on contemporary literature written in English or studied in translation. These writers raise pressing questions about the meaning of justice, the power of nations, and the value of human imagination in our global world. This course will also emphasize developing skills in critical thinking, scholarly argumentation, and documentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

EXCLUSIONS: ENGL 2212.03, ENGL 2213.03

ENGL 2006 Cultural Studies

CREDIT HOURS: 3

This course surveys notions of “culture” from both historical and theoretical perspectives and introduces students to the critical study of the multiple forms and uses of popular culture. This course will also emphasize developing skills in critical thinking, scholarly argumentation, and documentation.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

EXCLUSIONS: ENGL 2240.06

ENGL 2018 Arthur

CREDIT HOURS: 3

This course will explore the many stories of King Arthur and his Round Table including some of Sir Thomas Malory’s *Morte D'arthur*; earlier texts will be read in translation.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Science Writing Requirement.

EXCLUSIONS: ENGL 3018.03

ENGL 2020 Sampling Medieval Literature

CREDIT HOURS: 3

A properly medieval title for this course would be “Florilegium.” It considers works important to the medieval literary scene in England, whether written initially in Old English, Middle English, Anglo-Norman French, Welsh, Norse, or Latin; almost all will be read in translation. The works read may include sagas, riddles, lyrics, the Breton lais of Marie de France, romances, chronicles, plays, saints’ lives, comic tales, beast fables.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3218.06

ENGL 2028 Short Poems in English

CREDIT HOURS: 3

Forms and themes in the short poem are studied by means of critical reading of poems written in English. Topics may include the following: the self in the short poem, other persons, public events, love, nature, the city, the machine, wit, myth, traditional forms, free verse, the hokku, lyric as song, spoken poetry, poetry in print, concrete poetry, and possibly other topics to suit the course.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 2029 Framed Narratives

CREDIT HOURS: 3

This course studies framed narratives - stories within stories - focusing on the dramatic relationship between the frame and the stories within it, and what this form tells us about the nature of storytelling itself.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 2030 Literature, Health and Healing

CREDIT HOURS: 3

This class explores selected literary texts (chiefly contemporary) dealing with health and healing and introduces students to key concepts and issues in the interdisciplinary field of medical humanities. Topics vary depending upon the instructor, but might include the role of narrative or story-telling in medicine and the health professions; illness memoirs (for example, cancer narratives or memoirs about mental illness); ethics and communications in health care; literary representations of health professionals; therapeutic uses of literature; indigenous healing practices; social and cultural determinants of health; and literary representations of topics such as anorexia, autism, disabilities, aging, trauma and recovery, chronic pain, communicable diseases, neurological disorders, and issues in sexual and reproductive health.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2034 The Short Story

CREDIT HOURS: 3

This course will examine the form and evolution of the short story.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 2040 Mystery and Detective Fiction

CREDIT HOURS: 3

In this course, we will study the development of mystery and detective fiction, from Victorian classics by Charles Dickens, Wilkie Collins, and Arthur Conan Doyle to contemporary classics by Agatha Christie and Raymond Chandler and recent works by authors such as Sue Grafton, Sara Paretsky, and Ian Rankin.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2043 How iRead the Eye-Books: Film Adaptations of World Literature I

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: THEA 2043.03, RUSN 2043.03

EXCLUSIONS: RUSN 2045.06, ENGL 2045.06, THEA 2347.06

ENGL 2044 How iRead the Eye-Books: Film Adaptations of World Literature II

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 2044.03, RUSN 2044.03

EXCLUSIONS: RUSN 2045X, THEA 2347X, ENGL 2045X

ENGL 2045X/Y How IRead The Eye-Books: Film Adaptations of World Literature

CREDIT HOURS: 6

In this course we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as having an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture| Discussion| Other (explain in comments)

CROSS-LISTING: RUSN 2045X/Y.06, THEA 2347X/Y.06

ENGL 2050 Literature and Propaganda

CREDIT HOURS: 3

This course explores the relation of literary art to propaganda through the study of selected writings in different genres. Among the terms and concepts that may be considered are didacticism, rhetoric, ideology, pornography, and censorship.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 2060 Sports Literature

CREDIT HOURS: 3

While material may range from Homer and Pindar to contemporary works, this course will typically focus on a specific sport, period, or subject (e.g., race, the lesbian/gay athlete) or genre. Students will explore the unique features of writing that deals with athletic or sporting activities and recognize how the literature of sport is connected to the broader literary canon. Commercialism, nationalism, authenticity, and aesthetics are possible topics. Consult the current course description.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2070 African American Literature

CREDIT HOURS: 3

An introduction to some major modes of writing in the African American community. Subjects of enquiry may include the “escaped-slave” narratives of the nineteenth century, or works produced by members of the Harlem Renaissance, or poetry and fiction by contemporary African American women writers.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 2080 Cartoons and Comics

CREDIT HOURS: 3

A study of cartoons and comics from the eighteenth century to the present, addressing such issues as the history and formal conventions of the genre as well as its various cultural roles, from the political to the popular and from consumer culture to cultural capital.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2085 Video Games: Story, World and Play

CREDIT HOURS: 3

This course introduces students to the critical study of video games and gaming culture, with a particular emphasis on how video games combine interactive gameplay, worldmaking, and storytelling.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2088 Images and Texts

CREDIT HOURS: 3

This course will examine the rich interrelations of art and literature, from visual and verbal treatments of the same theme (jealousy, for example), to similarities in style (such as impressionism or Dadaism), to specific topics such as humour or scandal.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the college of Arts and Sciences Writing Requirement

ENGL 2090 Literature, Multiculturalism, and Identity

CREDIT HOURS: 3

Literature provides a powerful means of developing the cross-cultural understanding essential for living and working in increasingly multicultural societies and differing global contexts. This course examines literature (chiefly novels) that explore the complexities of identities shaped by globalization and multicultural contexts. Topics might include the shifting boundaries of “home”; generational conflicts and connections; cross-cultural romantic relationships; challenges in adapting to a foreign language and/or customs; global cultural networks; and emerging forms of cosmopolitan identity or “fusion” cultures.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement.

ENGL 2095 Narrative in the Cinema

CREDIT HOURS: 3

This course will provide a brief introduction to the study of film narrative. Through an examination of select films from throughout the history of the medium, this course will consider various forms and conventions of cinematic fiction-making. Although social, political, psychological, and other non-formal aspects of film will be discussed, the course will be primarily concerned with the aesthetics and visual styles at work in the films under consideration.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2110 Introduction to Professional Writing

CREDIT HOURS: 3

In this introduction to professional writing, students learn to analyze rhetorical situations, adapt to generic conventions, and adopt the languages of distinct discourse communities. They learn how to determine what constitutes “good writing” and to improve the structure and style of their prose to fit a given professional context. This course gives students the opportunity to research and produce specialized forms of writing. Examples might include case studies, white papers, press releases, business plans, web sites, and user manuals.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Science Writing Requirement.

EXCLUSIONS: COMM 1701.03, 1702.03, 2701.03

ENGL 2202 Academic Writing

CREDIT HOURS: 3

Focusing on academic discourse, this course is designed for students interested in university writing as an object of study and practice. Students will enhance their understanding of the conventions of scholarly writing, develop their command of English grammar, and hone their skills in the art of using language to persuade.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or King's FYP

EXCLUSIONS: ENGL 2200.06

ENGL 2214X/Y Shakespeare

CREDIT HOURS: 6

An introduction to Shakespeare’s career as a playwright, through discussion and interpretation of a dozen or more of his plays.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CROSS-LISTING: THEA 2214.06

ENGL 2218 Gothic Fiction

CREDIT HOURS: 3

This course examines a selection of gothic fiction from Horace Walpole onwards. Attention is paid to the Romantic novelists (Radcliffe, Lewis, Brontë and Maturin) as well as their Victorian and twentieth-century successors (e.g. Bram Stoker and Patrick McCabe). Among the many subjects that may be considered are Jekyll/Hyde schizophrenic doubles, the popularity of vampirism, and urban fascination with the “serial” killer (e.g. the Ripper murders).

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

EXCLUSIONS: ENGL 2216.06, ENGL 3216.06

ENGL 2221X/Y Fictions of Development

CREDIT HOURS: 6

A study of a variety of literary works (chiefly novels) which portray the crises and conflicts involved in growing up, finding a vocation, and finding oneself. Works from the nineteenth century to the present by Canadian, English, and American authors are included, and special attention is given to the connections between art and autobiography, and between literature and psychology, as well as to the influence of gender differences in patterns of human development, and ways of writing about them. Class approved with International Development Studies.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

CROSS-LISTING: GWST 2200X/Y.06

ENGL 2222 Fictions of Self Discovery

CREDIT HOURS: 3

A study of literary works (chiefly novels, but also possibly including short stories or short story collections) that portray the crises and conflicts involved in coming of

age, finding a vocation, and the search for identity. Works from the nineteenth century to the present may be included, by authors writing in English in a variety of national traditions and global contexts. Typical themes include childhood experience and education, familial and romantic relationships, identity formation (cultural, gender, sexual), occupational issues and challenges.

PREREQUISITE: Any class or combination of classes that satisfies the College of Arts and Sciences Writing Requirement.

EXCLUSIONS: ENGL 2221X/Y.06

ENGL 2229 Tragedy

CREDIT HOURS: 3

This course studies a representative selection of texts from various historical periods in order to arrive at an understanding of the meaning of tragedy. Various definitions of tragedy will be examined along with such possible questions as how has tragedy changed over time, and what is tragicomedy.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, or THEA 1000.06; or the King's FYP

CROSS-LISTING: THEA 2229.03

EXCLUSIONS: ENGL 2226.06

ENGL 2230 Satire

CREDIT HOURS: 3

A survey of traditional satire from early invective to contemporary caricature. This course chiefly examines conventional forms of verse and prose satires but attention is also paid to the visual and dramatic. Students are introduced to a wide range of specific modes (e.g., the character sketch, mock encomium, travesty, parody, lampoon) and satire's many uses within various national contexts (e.g., Roman, English, American, Canadian).

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 2227.06

ENGL 2231X/Y Foundations of Science Fiction

CREDIT HOURS: 3

Various origins have been offered for science fiction: from classical Greek texts, to *Gulliver's Travels*, to *Frankenstein*, to twentieth-century pulp publications. This course will read science fiction from these various origins through to the so-called Golden Age of Science Fiction in the 1950s. Authors could include Mary Shelley, H.G. Wells, and Hugo Gernsback.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

EXCLUSIONS: ENGL 2233.06

ENGL 2232 Contemporary Science Fiction

CREDIT HOURS: 3

This course will study science fiction from the Golden Age of the 1940s and 50s to the most recent developments. Such schools and areas as the New Wave, cyberpunk, and postcolonial SF are among the topics that could be explored, as are developments in film, television, and new media.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

EXCLUSIONS: ENGL 2233.06

ENGL 2235 Tolkien: Fantasy and Medievalism

CREDIT HOURS: 3

This course will examine the fantasy writings of J. R. R. Tolkien. Topics could include the development of high fantasy, the question of escapism, alternate worlds, heroes and anti-heroes, Norse and medieval mythology, language-creation, Tolkien's medieval scholarship, the Inklings, Tolkien and Christianity, and Tolkien's work in the context of twentieth-century wars and politics.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2236 Fantasy after Tolkien

CREDIT HOURS: 3

This course will examine writings in the fantasy genre of the later twentieth century. Authors could include Ursula LeGuin, Guy Gavriel Kay, Charles de Lint, Susan Cooper, R. Scott Bakker, J. K. Rowling, and Philip Pullman.

FORMAT: Lecture

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 2237 Outlaw Tales

CREDIT HOURS: 3

This course will study the romantic outlaw of fiction, poetry and film. Texts may range from sagas to Robin Hood ballads to highwayman tales to modern Westerns. Topics include images and tropes for the outlaw; the question of why the figure of the outlaw is appealing to law-abiding readers; the way the literary and romantic outlaw compares with the real-life outlaws of the time; or the role of the exile as a commentator on 'legal' society.

PREREQUISITE: Any class or combination of classes that satisfies the College of Arts and Science Writing Requirement

ENGL 3000 Close Reading

CREDIT HOURS: 3

This half-credit course is intended to give students the tools and vocabulary for the close reading of literary texts, both prose and poetry.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3001 History of Literary Criticism

CREDIT HOURS: 3

A survey of major statements in literary theory from Antiquity to the twentieth century. Topics to be considered may include the value of literature, the relation of fiction to reality, the nature of creativity, the function of genres and conventions, and the role of the critic.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3244.06

ENGL 3002 Contemporary Critical Theory

CREDIT HOURS: 3

A survey of major issues and schools in recent literary theory. This course will debate the merits of various critical approaches to literature, including formalism, Marxism, feminism, psychoanalysis, structuralism, deconstruction, new historicism, and cultural studies.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3244.06

ENGL 3005 Canterbury Tales

CREDIT HOURS: 3

An introduction to the study of Middle English literature in Middle English by way of Geoffrey Chaucer's collection of tales told by a mixed crowd of people on pilgrimage, from idealistic knight and pious nun to bawdy wife and drunken cook.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3219.06

ENGL 3007X/Y Old English

CREDIT HOURS: 6

An introduction to the Old English language and literature in Old English from the seventh to the eleventh centuries. Literary works will include the heroic, the sacred, the bawdy, and the historical; the question of who got to enjoy this literature will lead to such topics as orality and literacy, manuscript production and circulation, palaeography, and multilingual culture.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 4253.06

ENGL 3010 Renaissance Poetry and Culture I: More to Jonson

CREDIT HOURS: 3

This course explores the flourishing of English literary culture from the Tudor humanists (such as Sir Thomas More) and courtly makers (Sir Thomas Wyatt) to the Elizabethan sonnet writers (Sir Philip Sidney) and plain style poets (Ben Jonson). Shakespeare's poetry, Spenser's *Faerie Queene*, and selected works by women authors (including Queen Elizabeth herself) will be represented in the syllabus.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3224.06

ENGL 3011 Renaissance Poetry and Culture II: Donne to Milton

CREDIT HOURS: 3

This course offers students the chance to interpret poems by one of the most enigmatic English writers (John Donne) and to argue about the view of human nature encoded in one of the most contested English texts (*Paradise Lost*). In addition, there will be opportunities to study devotional poetry (George Herbert), life-writing (Sir Thomas Browne), women's writing (Lady Mary Wroth), political writing (Andrew Marvell), or even prison writing (by Suckling or Bunyan, for example).

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3224.06

ENGL 3015 Renaissance Drama

CREDIT HOURS: 3

This course will explore the richness and strangeness of some of the playwrights too often obscured by Shakespeare's shadow. Between the opening of the first professional playhouse in London (1576) and the closing of the theatres by Parliament (1641), the Globe was only one of many venues catering to an avid theatre-going public, and the first English play by a woman was circulated in manuscript. Playwrights to be studied include Christopher Marlowe, Ben Jonson, Thomas Middleton, John Webster, Elizabeth Cary, and John Ford.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03 or THEA 1000.06; or the King's FYP

CROSS-LISTING: THEA 3015.03

ENGL 3017 English Poetry and Prose, 1660-1740

CREDIT HOURS: 3

The poetry and prose from the Restoration and early eighteenth-century contain much in the way of sex and jokes. The course studies works by authors such as Dryden, Rochester, Behn, Finch, Swift, and Pope. Students are introduced to popular forms (heroic couplet, satire, conversational poems, essay, epistle, political allegory) and to the many changes that shaped the literature of the period, notably the decline of the court, the emergence of modern capitalism, and the rise of professional authorship.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3225.06

ENGL 3019 Poetry and Prose, 1740-1789

CREDIT HOURS: 3

A survey of poetry and prose from the mid- to late-eighteenth century. This course studies the works of Samuel Johnson and his circle, the poets of sensibility, the Bluestockings, and sundry other authors. It covers a wide range of genres and movements (odes, imitation, poems, aesthetic treatises, fables) in light of contemporary social and political events, from the growth of democracy at home to historic revolutions abroad.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP
EXCLUSIONS: ENGL 3225.06

ENGL 3020 English Drama, 1660-1800

CREDIT HOURS: 3

A survey of plays produced during the Restoration and eighteenth century. Concentrating on the London scene from the first appearance of actresses on the stage to the burning of the Haymarket theatre in 1789, this course introduces students to the period's various dramatic forms, the literary influences and controversies, and the many women and men who penned for the stage.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03 or THEA 1000.06; or the King's FYP

CROSS-LISTING: THEA 3913.03

EXCLUSIONS: ENGL 3225.06

ENGL 3022 English Fiction to 1820

CREDIT HOURS: 3

A survey of the rise of the English novel from Behn to Austen. This course will consider works by several early novelists, some well-known and some not so well-known, and introduce students to a wide range of early prose narratives, such as amatory fiction, the fictional memoir, the *roman à clef*, the epistolary novel, and various comic and sentimental works.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 2208.06

ENGL 3026 Romantic Era I: Radicals and Visionaries

CREDIT HOURS: 3

Focusing primarily on the late 18th century, this class will explore the interaction between imaginative writing and pressing political debates over rights—for men, for women, and for the enslaved. Authors may include William Blake, Anna Letitia Barbauld, Samuel Taylor Coleridge, Olaudah Equiano, Keats, Mary Robinson, and the Shelleys.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 2205.06, ENGL 3025.06

ENGL 3027 Romantic Era II: The Satanic and the Sublime

CREDIT HOURS: 3

Focusing primarily on the early 19th century, this class will explore the interactions and reactions of reform and conservatism, evil and the sublime, tradition and modernity, across genres. Authors may include Jane Austen, William Blake, Byron, Samuel Taylor Coleridge, Felicia Hemans, John Keats, Letitia Landon, the Shelleys, and the Wordsworths.

FORMAT: Lecture| Discussion

EXCLUSIONS: ENGL 3025.06

ENGL 3029 Victorian Poetry

CREDIT HOURS: 3

This course explores Victorian poetry in the context of the cultural, social, political, artistic and religious transformations that occurred between the 1830s and 1900. Authors studied will include Tennyson, Robert and Elizabeth Barrett Browning, Matthew Arnold, and the Pre-Raphaelite poets. Specific emphases will vary, but recurrent themes will include the poet's role in an increasingly technological and scientific culture, the challenges faced by women poets, experimentation with new poetic forms like the dramatic monologue, and the crisis of faith caused by new modes of intellectual inquiry.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3031 The Nineteenth-Century British Novel from Austen to Dickens

CREDIT HOURS: 3

In this course we will study British novels from the first half of the nineteenth century. Specific reading will vary from year to year but will usually include works by Jane Austen, Walter Scott, Charles Dickens, W. M. Thackeray, and the Brontës. We will examine these authors' experimentation and innovation with both the form and the subject matter of fiction as they transformed the novel from a generic upstart into the century's dominant literary form.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 2208.06

ENGL 3032 The Nineteenth-Century British Novel from Dickens to Hardy

CREDIT HOURS: 3

In this course we will study British novels of the second half of the nineteenth century. Specific reading will vary from year to year but will usually include works by Charles Dickens, George Eliot, Anthony Trollope, Wilkie Collins, and Thomas Hardy, all writers who drew on the now-established tradition and prominence of the British novel and found their own ways to extend and challenge its conventions.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 2208.06

ENGL 3040 Irish Literature. 1700-1900: Satire, Sentiment, and the Gothic

CREDIT HOURS: 3

This course will survey Irish writing in English from 1700 to 1900 and emphasize three literary modes significant to this body of work—satire, sentiment, and the gothic—across the genres of poetry, drama, and prose fiction. Possible authors include Swift, the Sheridans, Moore, Mangan, LeFanu, the Wildes, and Stoker.

FORMAT: Lecture| Discussion

PREREQUISITE: English 1000.06; or any two of English 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or Theatre 1000.06; or the King's FYP

ENGL 3061 American Literature to 1865

CREDIT HOURS: 3

A survey of the major writers of the United States up to the end of the Civil War. This period includes the earliest practitioners of the modern short story, radically inventive poets, early "nature writers," experimental novelists, and various forms of autobiography.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3062 American Literature, 1865-1914

CREDIT HOURS: 3

A survey of the major writers of the United States from the Civil War to the beginning of the First World War, with an emphasis on the realist novel. Major figures include Mark Twain, Henry James, Edith Warton, Stephen Crane.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3070 Twentieth-Century African American Novel

CREDIT HOURS: 3

While it is obvious that several of the novelists on this reading list might well appear in other courses, it is a worthwhile exercise for students to engage in a conversation about these and other texts by African American novelists in the context of African American novelists. That context will be the focus of this course. Such a comparatively restricted focus brings with it such questions as does it matter that these novels were written by African Americans? What do we gain/lose by considering these texts in this specific national and ethno-cultural context? Are the texts representative, and if so, of what and in what ways? Do these texts reinforce or complicate (or both) notions such as the African American experience?

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3086 Post-Colonial Literatures

CREDIT HOURS: 3

This course will allow you to read literature from the former British colonies, as well as some of the influential theorists who are helping to shape the evolving field of postcolonial studies. Our purpose will be to gain familiarity with a selection of the seminal texts, arguments, and debates that characterize this diverse and vibrant area of research and study.

FORMAT: Lecture

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3085.06

ENGL 3087 Literature of the Asian Diaspora

CREDIT HOURS: 3

Literature of the Asian Diaspora encompasses literature written in English by writers of Asian descent and heritage. Each year may have a specific focus, such as Asian Canadian and Asian American, Anglo-Asian, or Asian Australian literature. The course will concern itself with what constitutes Asian diasporic literature, its various historical and social contexts, as well as its narrative traditions and innovations.

CROSS-LISTING: CHIN 3080.03

ENGL 3098 Creative Writing: Poetry I

CREDIT HOURS: 3

This course is for students interested in writing poetry. Various skills will be developed through the sharing of individual and collaborative expression and the understanding of the movement from first draft to finished version of the poem.

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or CRWR 2000.06; or King's FYP

ENGL 3099 Creative Writing: Fiction I

CREDIT HOURS: 3

This course is for students interested in writing short fiction and novels. It will include the study of literature as a basis for learning skills necessary for the craft. Some aspects of the course will involve theory but the primary focus will be on the process of writing – everything from the basics of getting started to the process of publishing. Students will be expected to participate fully in the course through reading, writing, and discussion.

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or CRWR 2000.06; or King's FYP

ENGL 3112 Writing Theory

CREDIT HOURS: 3

This course considers a range of approaches to writing. Students read widely in rhetoric and composition theory, participate in the ongoing conversation about writing, and heighten their understanding of the composition process. Writing intensive and writing centered, the course is ideal for anyone interested in writing and critical thinking.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

EXCLUSIONS: ASSC 3110.06X/Y / ENGL 3111.06X/Y

ENGL 3113 Writing Practice

CREDIT HOURS: 3

This course puts writing theory into practice. As part of their course work, students gain valuable experience working as writing tutors and/or assistant editors for an academic journal. The course is ideal preparation for careers in teaching or publishing, as well as for students going on to do graduate work.

PREREQUISITE: ENGL 3112.03 / ASSC 3112.03 or ENGL 2202.03 or instructor's permission

EXCLUSIONS: ASSC 3110.06X/Y / ENGL 3111.06X/Y

ENGL 3203 History of the English Language

CREDIT HOURS: 3

This course introduces students to the study of the history of English, tracing the story from the origins of the language in proto-Germanic to its current abundance of varieties around the globe. Most emphasis will be placed on the development of English in our earlier literature from Old English to Early Modern English, and then its current manifestations in Canada.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

EXCLUSIONS: ENGL 3202.03

ENGL 3220 American Literature of the Earlier Twentieth Century

CREDIT HOURS: 3

An introduction to American literature from the beginning of the twentieth century until the end of the second world war.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3213.06

ENGL 3221 American Literature of the Later Twentieth Century

CREDIT HOURS: 3

An introduction to American literature from the middle of the twentieth century until the end.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3213.06

ENGL 3230 Modern Drama

CREDIT HOURS: 3

An introduction to the major developments in drama from Ibsen to the present. Special attention is given to changes in the dramatic style and to the growth of modern theatrical movements. The playwrights represented include Strindberg, Shaw, Pirandello, Brecht, Genet, Ionesco, Pinter, Albee, and Stoppard. A few recent Canadian plays provide a focus for discussion of contemporary trends.

FORMAT: Lecture| Discussion

ENGL 3231 Modern Canadian Literature

CREDIT HOURS: 3

The historical period covered in this course extends from the end of World War I through the decade following World War II, a period during which Canada witnessed the formation of a modern literature in English. Varied aesthetic responses to ideas of the modern, the processes and technologies of modernization, and the conditions of social, cultural, economic, and political modernity will be addressed.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CROSS-LISTING: CANA 3231.03

ENGL 3234 British Literature of the Earlier Twentieth Century

CREDIT HOURS: 3

An introduction to British literature from the beginning of the twentieth century roughly to the end of the second world war.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3212.06

ENGL 3235 British Literature of the Later Twentieth Century

CREDIT HOURS: 3

An introduction to British literature from the middle of the twentieth century until the end.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3212.06

ENGL 3238 Fiction of the Earlier Twentieth Century

CREDIT HOURS: 3

A selection of fiction from the beginning of the twentieth century to approximately the end of the second world war. Texts will be subject to the instructor's preferences.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3209.06

ENGL 3239 Fiction of the Later Twentieth Century

CREDIT HOURS: 3

An introduction to fiction in English from the middle of the twentieth century to the end. Texts will be subject to the instructor's preferences.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

EXCLUSIONS: ENGL 3209.06

ENGL 3240 Drama of the Earlier Twentieth Century

CREDIT HOURS: 3

An introduction to major developments in drama from Ibsen to Brecht. The course will explore the diversity of dramatic styles and theatrical movements, as playwrights respond to and react against the nineteenth century's traditions and their own changing times. In addition to Ibsen and Brecht, authors may include Strindberg, Chekhov, Shaw, Synge, Pirandello, and O'Neill.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3241 Drama of the Later Twentieth Century

CREDIT HOURS: 3

This course focuses on a selection of plays ranging from Absurdist works to present-day texts, including scripts by Canadian dramatists. The focus will be the growth of contemporary theatrical movements, such as the kitchen-sink drama of the 1950s and the "In-Yer-Face" theatre of the 1990s. Playwrights may include Beckett, Ionesco, Osborne, Albee, Stoppard, Churchill, Kane, and Tremblay.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3242 Poetry of the Earlier Twentieth Century

CREDIT HOURS: 3

An introduction to poetry in English from the beginning to the middle of the twentieth century.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3243 Poetry of the Later Twentieth Century

CREDIT HOURS: 3

An introduction to poetry in English from the middle of the twentieth century to the end.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3245 The Beat Generation

CREDIT HOURS: 3

This course will examine the writing of the Beat Generation. Authors to be considered could include Jack Kerouac, Allen Ginsberg, William S. Burroughs, and Denise Levertov, among others.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000X/Y.06; or any two of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000X/Y.06; or the King's FYP

ENGL 3250 Contemporary Women Poets

CREDIT HOURS: 3

During the last few decades, an extraordinary number of powerful new women poets have appeared on the literary scene. This course focuses on selected works written by these poets, and explores the ways in which monolithic ideas of "woman" have been challenged by individual poets who are positioned differently by race, sexual orientation, and national identity.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CROSS-LISTING: GWST 3050.03

EXCLUSIONS: ENGL 3050.06

ENGL 3270 Contemporary Canadian Literature

CREDIT HOURS: 3

In this course, a variety of late twentieth-century and recent Canadian fiction and poetry texts will be studied from such perspectives as the following: postcolonial, postmodern, multicultural. The politics of cultural expression will be emphasized, as well as the relationship between ethics and aesthetic approaches to literature.

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

CROSS-LISTING: CANA 3270.03

EXCLUSIONS: ENGL 3233.03

ENGL 3300 TV: Theory and Criticism

CREDIT HOURS: 3

This course considers television as a uniquely powerful source of cultural production, presenting students with some of the theoretical questions it raises and some of the critical methods that have been developed for engaging it. The course will explore the way TV mediates cultural attempts to understand the contemporary world.

FORMAT: Lecture

PREREQUISITE: ENGL 1000.06; or any **two** of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3301 Graphic Novels

CREDIT HOURS: 3

This course explores the history and development of graphic novels from the early twentieth century to the present. It examines the history and formal conventions of various genres, and it is particularly concerned with the cultural status of graphic novels and the relationship between verbal and visual forms.

FORMAT: Lecture

PREREQUISITE: ENGL 1000.06; or any two of ENGL 1010.03, 1020.03, 1040.03, 1050.03, 1100.03; or THEA 1000.06; or the King's FYP

ENGL 3310 Writing in a Digital Age

CREDIT HOURS: 3

ENGL 3310 focuses on the analysis and production of electronic texts. Students publish their work electronically and explore emerging theories about hypertext writing and the role of visual rhetoric. Objects of study will encompass a variety of electronic genres, but will focus mainly on sites on the World Wide Web.

FORMAT: Lecture| Discussion

PREREQUISITE: Any course or combination of courses that satisfies the College of Arts and Sciences Writing Requirement

ENGL 3314 Shakespeare and his Contemporaries on Film

CREDIT HOURS: 3

This course will study the adaptation of Shakespeare and his contemporaries to the medium of cinema, focusing on the differences between theatre and cinema, the process of textual adaptation, the updating of classic stories to modern settings, and the close analysis of the performer's choices.

FORMAT: Lecture| Seminar

PREREQUISITE: Experience in Shakespeare at any level OR experience in Film Studies at any level.

CROSS-LISTING: THEA 3314.03

EXCLUSIONS: THEA 2313.03, ENGL 2313.03

ENGL 3320 Literature and the History of Medicine

CREDIT HOURS: 3

Focusing on texts and contexts from the medieval to the postmodern, this course considers literature within the history of medicine. Topics may include but are not limited to the rise of the physician, the history of midwifery and obstetrics, the ethics of medical research, and the epidemic in literature. The course is designed to appeal to both English Majors and to students in other programs.

PREREQUISITE: Any class or combination of classes that satisfies the College of Arts and Sciences Writing Requirement.

ENGL 3501 The Modern Theatre 1: Realism and Responses

CREDIT HOURS: 3

From the 1870s until the coming of the First World War, the theatre underwent a series of radical transformations. This course explores the key theatrical movements of this period, including realism, naturalism, symbolism, and expressionism, and compares the theories behind them to the plays, stagecraft, and performance techniques they produced.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: THEA 2011.03 and THEA 2012.03 or Permission of the Instructor

CROSS-LISTING: THEA 3501.03

EXCLUSIONS: THEA 3500 X/Y.06

ENGL 3502 The Modern Theatre 2: High Modernism

CREDIT HOURS: 3

From the close of WW1 to the 1960s, theatrical modernists sought new artistic forms for a rapidly changing world. This course introduces students to major forms of theatrical modernism from Dada and Theatre of Cruelty through Epic Theatre and Biomechanics to absurdism, and considers their legacy for the contemporary stage.

FORMAT: Lecture| Seminar

PREREQUISITE: THEA 3501.03 or Permission of the Instructor

CROSS-LISTING: THEA 3502.03

EXCLUSIONS: THEA 3500 X/Y.06

ENGL 3820 Nabokov

CREDIT HOURS: 3

A close study of selected works by consummate twentieth century prose stylist Vladimir Nabokov - novelist, poet, critic and translator, author of notorious *Lolita*.

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 3820.03

ENGL 3841 Dante II. Purgatory and Paradise

CREDIT HOURS: 3

The course will provide a reading of the Purgatory and Paradise, the pilgrim's climb of the holy mountain and his ascent to the heavens up to the vision of God. This course places Dante's *Divine Comedy* within a critical context and furthers the study of Dante's oeuvre on the backdrop of the European Middle Ages. Each course will involve reading from the text, commentary and discussion of the readings assigned. The course is taught in English. Italian minors and majors students will be required to read the texts in Italian.

FORMAT: Lecture

PREREQUISITE: Any 2000 humanities course or instructor's permission

CROSS-LISTING: Comparative Religions 4041, ITAL 4041.03

ENGL 3916X/Y Introduction to Applied Linguistics and Language Teaching

CREDIT HOURS: 6

For description of this cross-listed course, see Calendar under FREN 4016.

FORMAT: Lecture

CROSS-LISTING: FREN 4016.06

ENGL 4990 English Honours Capstone

CREDIT HOURS: 0

This course is intended to be the culmination of an honours degree, to teach practices and hone skills to carry forward into academic and non-academic professional realms. Emphasis will be on effective communication, both oral and written, of the student's own research, and on constructive responses, both critical and editorial, to the research of others. The course fulfills the requirement of the College of Arts and Science at Dalhousie for an honours qualifying examination, with an importance equivalent to an honours thesis. It is graded pass/fail, carries no credit hours, but is a required distinguishing component of the honours degree.

FORMAT: Seminar

RESTRICTIONS: admission by signature; for honours students in English

Course Descriptions - Creative Writing

CRWR 2000X/Y The Creative Process

CREDIT HOURS: 6

This is a large interdisciplinary course that focuses on creativity in a wide variety of artistic and other areas of thought and expression, such as writing, painting, music, acting/directing, dancing, mathematics, medicine, and advertising.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Any class or combination of classes that satisfies the College of Arts and Sciences Writing Requirement

CRWR 3000 Creative Writing: Poetry II

CREDIT HOURS: 3

Building on the work done in English 3098.03, this seminar will involve students in the writing and assessment of poetry, their own as well as that of their peers. The process of writing poetry from the first draft to the final version will be stressed, with attention given to the developing relationship between form and content.

PREREQUISITE: ENGL 3098.03

CRWR 3001 Creative Writing: Fiction II

CREDIT HOURS: 3

This course will continue to emphasize the short story form introduced in English 3099.03, with the goal of students submitting their work to a publication or contest.

PREREQUISITE: ENGL 3099.03

CRWR 4000X/Y Creative Writing Poetry

CREDIT HOURS: 6

Students will meet in group session during the fall term to workshop their material that will lead to the production of a full manuscript of poetry. In the winter term students will meet on an individual basis with the professor to discuss and facilitate the completion of this project.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: CRWR 2000X/Y.06, ENGL 3098.03, CRWR 3000.03

CRWR 4001X/Y Creative Writing Fiction

CREDIT HOURS: 6

Students will meet in group session to workshop their material that will lead to the production of a full manuscript of fiction (short stories or novel).

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: CRWR 2000X/Y.06, ENGL 3099.03, CRWR 3001.03

CRWR 4003X/Y Advanced Narrative Non-Fiction Workshop

CREDIT HOURS: 6

Senior Creative-Writing and/or Journalism students will write and critique narrative non-fiction, a genre which enjoys a rich history and contemporary popularity. Writing techniques from various genres (e.g., character development, metaphor, dialogue) will inform this fusion of fact and fiction, research and experience, the personal and the public etc.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Equivalent of two full credits from: CRWR 3000, CRWR 3001, THEA 3600, JOUR 3440 and 3441 and/or permission of the instructor

CRWR 4004X/Y Advanced Creative Writing Workshop

CREDIT HOURS: 6

Senior creative-writing students will write and critique a variety of genres, including fiction, poetry, narrative non-fiction and/or drama. A significant portion of class time will be devoted to the workshop critique of peer writing. Sustained student work on one large manuscript project will be encouraged.

PREREQUISITE: Equivalent of two full credits from: CRWR 3000, CRWR 3001, THEA 3600, JOUR 3440 and 3441

Environmental Studies

Location:

Building/Room: Department of Political Science

Street Address 1: Faculty of Arts and Social Sciences

Street Address 2: Henry Hicks Administration Building, Room 301

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-6638

Fax:

Website:

Email Address: fass@dal.ca

BA with Minor in Environmental Studies

See Minor in Environmental Studies section in this Calendar.

BA Approved Electives in Environmental Studies:

Additions to the following lists will be made, as relevant courses become available.

Faculty of Science:

- BIOL 2060.03: Introductory Ecology
- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 2605.03: Introduction to Marine Life in Nova Scotia
- BIOL 3060.03: Environmental Ecology
- BIOL 3061.03: Communities and Ecosystems
- BIOL 3225.03: Plants in the human landscape
- BIOL 3226.03: Economic Botany, Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 3615.03: Methods in Ecology
- BIOL 4065.03: Sustainability and Global Change
- CHEM 2505.03: Environmental Chemistry

- ECON 2336.03: Regional Development
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- EARTH 2410.03: Environmental and Resource Geology I
- EARTH 3500.03: Geoscience Information Management
- GEOG 2800.03: Climate Change
- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- PHYC 2451.03: Astronomy I: The Sky and Planets
- PHYC 2800.03: Climate Change
- ENVS 2001.03: Analytical Environmental Science and Social Responsibility
- ENVS 3000.03: Environmental Science Internship
- ENVS 3210.03: Environmental Law II: Natural Justice and Unnatural Acts
- ENVS 3220.03: International Environmental Law for Scientists
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3400.03: Human Health and Sustainability
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II: The Campus as a Living Laboratory

Faculty of Arts and Social Sciences (FASS):

- CTMP 3000.06: Science and Culture
- CTMP 3150.03: Nature and History
- CTMP 3210.03: Intersecting Bodies, Selves and Environments
- CTMP 3411.03: Studies in Contemporary Science and Technology
- EMSP 2310.03: Women and Gender in Early Modern Science
- EMSP 2330.03: Nature Imagined
- EMSP 3000.06: The Study of Nature in Early Modern Europe
- ENGL 4005.03: Green Reading: Nature, Culture, Canada
- ENGL 4400.03: Nature of America
- HSTC 3000.03: The Scientific Revolution
- HSTC 4000.06: Science and Nature in the Modern Period
- HSTC 4300.03: Nature and Romanticism
- HIST 3073.03: History of Marine Sciences
- HIST 3210/CANA 3020/GEOG 3210.03: Canadian Cultural Landscapes
- HIST 3302.03: Technology and History in North America
- HIST 3370.03: North American Landscapes
- HIST 3750.03: History of Seafaring
- HIST 4271.03: The Fisheries of Atlantic Canada - Society and Ecology in Historical Perspective
- HIST 4350.03: People and Things - Material Culture
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- INTD 3002.03: Seminar in Development: Development Practice
- INTD 3114.03: Environment and Development
- INTD 3304.03: Sustainable Development in Cuba
- INTD 4013.03: Environmental Conflict & Security
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2485.03: Technology and the Environment
- PHIL 3670.03: Philosophy of Science
- PHIL 4120.03: Theory of Rational Decision-Making
- POLI 3385.03: Politics of the Environment
- POLI 4228.03: Interest Groups
- POLI 4380.03: Politics of Climate Change
- SOSA 2100.06: Environment and Culture
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3220.03: Coastal Communities
- SPAN 2070.03: Area Studies on Mexico and Central America

Other Electives

- PLAN 2001.03: Landscape Analysis
- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3010.03: Urban Ecology

- PLAN 3020.03: Landscape Design
- PLAN 4106.03: Transportation Planning

In any given year, special and variable topics courses may be approved for credit towards the minor requirements when the content warrants. See the program director for information.

Environment, Sustainability and Society

Location:

Building/Room: Mona Campbell Building

Street Address 1: 1459 LeMarchant Street

Street Address 2: Room 1401

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-4581

Fax: (902) 494-8923

Website: www.ess.dal.ca

Email Address: sustainability@dal.ca

Degree Programs

The College of Sustainability offers a BA Double Major, Combined Honours and Minor in Environment, Sustainability and Society (ESS) with any major/honours subject in the Faculty of Arts and Social Sciences or the Faculty of Science. For complete details about the College, its programs and courses please see the College of Sustainability section.

BA, Double Major/Combined Honours, Environment, Sustainability and Society

Environment, Sustainability and Society as Subject A

Subject A: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 (six credit hours in fall term)
- SUST 2001.06 (six credit hours in winter term)
- SUST 3000.03
- SUST 3502.03 or MGMT 3701.03
- SUST 4000X/Y.06

For Double Major:

- 18 credit hours SUST/ESS Electives (at least 12 credit hours outside subject B)

For Combined Honours:

- 12 credit hours SUST/ESS Electives (at least 6 credit hours outside Subject B)
- SUST 4900X/Y.06
- Cumulative GPA in Honours subject courses above 1000 level of 3.3, with no individual grade less than C

Subject B: Any Major/Honours subject in the Faculty of Arts and Social Sciences or the Faculty of Science

Please see subject B calendar entry and Academic Advisor for details.

Environment, Sustainability and Society as Subject B

Subject A: Any Major/Honours subject in the Faculty of Arts and Social Sciences or the Faculty of Science

Please see subject A calendar entry and Academic Advisor for details.

Additional requirements for Combined Honours: Must comply with Honours requirements for Subject A.

Subject B: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 or SUST 2001.06
- six additional credit hours in SUST at the 2000 level or above
- 18 credit hours SUST/ESS electives (at least 12 credit hours outside Subject A)
- at least 12 credit hours must be at the 3000 level or above

Minor in Environment, Sustainability and Society

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

- a minimum of 18 credit hours and a maximum of 27 credit hours at the 2000 level or above in SUST courses.
- Prerequisites: SUST 1000.06 and SUST 1001.06

European Studies

Introduction

The European Studies program at Dalhousie is designed to guide students to a multidisciplinary understanding of contemporary Europe. It is not housed in any one department but is a combined effort of most departments in the Faculty of Arts and Social Sciences and the University of King's College. It encourages students to develop a broad perspective on Europe as seen through history and politics, literature and ideas, and the fine arts, with special emphasis placed on acquisition of language skills. There is an Honours program and a 120 credit hour Major. Because it is already a multidisciplinary program, European Studies cannot be combined with other subjects to form a combined honours degree.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Coordinator

White, J. - English/Theatre (jerry.white@dal.ca, 902 494-3628)

Faculty

Bingham, J. - History
Katherine F. - Political Science
Frigerio, V. - French
Glowacka, D. - Contemporary Studies
Hanlon, G. - History
House, M. - German
Joubert, E. - Music
Matteucci, P. - Italian
O'Brien, P. - Classics
Sidler, J. - German
Schwarz, H. G. - German
Stone, M. - English
Tetreault, R. - English
White, J. - English/Theatre
Wright, J. - English
Zaiotti, R. - Political Science

BA Honours in European Studies

Students must meet the faculty requirements for honours.

Year I

A student would normally take 30 credit hours in the first year, meeting the distribution requirements of the BA. These courses include:

- a writing requirement course
- HIST 1004X/Y.06 (European History), or an equivalent course in a later year
- a language other than English
- a social sciences course
- a natural science course

Notes: Completion of the King's College Foundation Year Program satisfies the first-year requirements for European Studies, with the exception of the language course and the natural sciences course.

Some students may wish to take another "second language" course in the first year, and postpone one of the other courses until a later year.

Years II to IV

The program consists of a further 90 credit hours including the second year core course and an Honours project. The general requirements for the program are:

- Courses in two contemporary European languages other than English are required. One of these languages is studied up to 3000/4000 level (normally six credit hours each year). The minimum requirement for the other language is six credit hours at the first year level, though students are strongly encouraged to take advanced courses in both languages.
- Students take 66-78 credit hours with significant European content. As this is a multidisciplinary program, no more than 30 credit hours above the 1000 level may be taken from one department. No fewer than 36 credit hours must be taken from two other departments. These may include courses from a language department to fulfill the language requirement, or one of the King's Honours programs. At least 18 credit hours must be at the 3000 level or above, taken in at least two different departments. Courses taken during a study abroad year will need to be counted in the above mix.
- EURO 2101.03, EURO 2102.03
- Students should seek advice from the European Studies Coordinator, who will strive to ensure that courses are included from each of the following areas:
 - a. History and Politics:
Approved ES courses in the departments of History, Political Science, Sociology and Social Anthropology, Economics, Commerce
 - b. Literature and Ideas:
Approved ES courses in the departments of Classics, English, French, German, Italian, Philosophy, Religious Studies, Russian Studies, Spanish
 - c. Fine Arts:
Approved ES courses in the departments of Music, Theatre, and the Program in Film Studies

Approved ES courses in Contemporary Studies, Early Modern History, and Gender and Women's Studies may fit one or more of these groupings. Please consult a European Studies advisor.

In conjunction with the Honours project a fourth year multidisciplinary seminar is required.

- A term of study in the honours program at a European university, normally in a second-language environment. A summer work term in Europe is encouraged.

BA (120 credit hour) Major

Year I

A student would normally take 30 credit hours in the first year, meeting the distribution requirements of the BA. These courses include:

1. a writing requirement course
2. HIST 1004X/Y.06 (European History), or an equivalent course in a later year
3. a language other than English
4. a social sciences course
5. a natural science course

Note: Completion of the King's College Foundation Year Program satisfies the first-year requirements for the European Studies 120 credit hour Major, with the exception of the language course and the natural science course.

Year II to IV

- After the first year, students take a minimum of 54 credit hours from the approved list of courses with significant European content.
- No more than 24 of these may be taken in any one department, and at least 30 must be taken in two other departments.
- At least 18 credit hours should be at the 3000 level or above, taken from at least two different departments.
- The 4000 level multidisciplinary seminar and the second year core course are also required.

Students should aim, with help from the European Studies Coordinator, for a balance in their courses to reflect the three general areas outlined above.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

European Studies Approved Courses

Note: Students should note that some courses may have prerequisites or other departmental restrictions, and some courses may not be offered in every year.

Other courses, not on this list, may be appropriate. Please consult an ES Advisor.

Approved Courses

Classics

Religious Studies

- RELS 1002.03: Introduction to Western Religions
- RELS 1200.06: Classical
- RELS 2002.03: Christianity
- RELS 2025.03: Nature, the Human, Community and the Divine in the Pre-Modern West
- RELS 2026.03: Paganism
- RELS 2027.03: Magic Religion and Philosophy
- RELS 2203.03: Philosophy and God
- RELS 2282.03: Catholicism
- RELS 3019.03: Meetings Between Hellenism, Judaism and Islam until the Renaissance
- RELS 2365.03: Philosophy on Trial
- RELS 2366.03: Gods, Beasts and the Political Animal
- RELS 3008.03: Medieval Church
- RELS 3381.03: Medieval Philosophy from Augustine to Anselm
- RELS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- RELS 3432.03: St. Augustine on the Trinity Part II

Contemporary Studies

- CTMP 2120.03: Wagner
- CTMP 2303.03: Narrative and Meta-Narrative
- CTMP 3000.06: Science and Culture
- CTMP 3190.03: Weil
- CTMP 3192.03: Wittgenstein
- CTMP 3321.03/CTMP 3322.03: The Holocaust
- CTMP 3410.03: Studies in Contemporary Social and Political Thought in the 20th Century.
- CTMP 4000.06: Deconstruction
- CTMP 4301.03: Freud, Lacan and the Critique of Psychoanalysis
- CTMP 4302.03: French Feminist Theory
- CTMP 4410.03: Contemporary Social and Political Thought

Early Modern Studies

Economics

- ECON 2219.03: Euros and Cents: From Common Market to European Union
- ECON 2239.03: European Economic History

English

- ENGL 2001.03: British Literature to 1800
- ENGL 2002.03: British Literature after 1800
- ENGL 2018.03: Arthur
- ENGL 2020.03: Sampling Medieval Literature
- ENGL 2028.03: Short Poems in English
- ENGL 2030.03: Literature, Health and Healing
- ENGL 2034.03: The Short Story
- ENGL 2040.03: Mystery and Detective Fiction
- ENGL 2050.03: Literature and Propaganda
- ENGL 2088.03: Images and Texts
- ENGL 2214.06: Shakespeare
- ENGL 2218.03: Gothic fiction
- ENGL 2221.06: Fictions of Development
- ENGL 2229.03: Tragedy
- ENGL 2230.03: Satire
- ENGL 2231.03: Foundation of Science Fiction
- ENGL 2235.03: Tolkien: Fantasy and Medievalism
- ENGL 3001.03: History of Literary Criticism

- ENGL 3002.03: Contemporary Critical Theory
- ENGL 3005.03: Canterbury Tales
- ENGL 3007.06: Old English
- ENGL 3010.03/ENGL 3011.03: Renaissance Poetry and Culture I/II
- ENGL 3015.03: Renaissance Drama
- ENGL 3017.03: English Poetry and Prose, 1660-1740
- ENGL 3019.03: Poetry and Prose, 1740-1789
- ENGL 3020.03: English Drama, 1660-1800
- ENGL 3022.03: English Fiction to 1820
- ENGL 3025.06: Literature of the Romantic Era 1789-1832
- ENGL 3029.03: Victorian Poetry
- ENGL 3031.03: 19th Century Fiction from Austen to Dickens
- ENGL 3032.03: 19th Century Fiction from Dickens to Hardy
- ENGL 3234.03: British Literature of the Earlier Twentieth Century
- ENGL 3235.03: British Literature of the Later Twentieth Century
- ENGL 3501.03: The Modern Theatre 1: Realism and Responses
- ENGL 3502.03: The Modern Theatre 2: High Modernism
- ENGL 3820.03: Nabokov

Note: Fourth year seminars in English change from year to year. For courses appropriate for European Studies please consult the European Studies coordinator.

French

FREN all courses (except courses on linguistics, and on Quebec, Acadian and other non-European francophone literature and culture)

Gender and Women's Studies

- GWST 2300.03: Making Gender: Male and Female from Antiquity to Mary Wollstonecraft
- GWST 2320.03: Witchcraft in Early Modern Europe
- GWST 3013.03: Sex and Gender in Reformation Europe
- GWST 4402.03: Recent French Feminist Theory

German

All courses

History

- HIST 1004.06: Introduction to European History
- HIST 2001.03: Early Medieval Europe
- HIST 2002.02: Later Medieval Europe
- HIST 2005.03: Europe 1400-1559
- HIST 2006.03/HIST 2007.03: The Atlantic World
- HIST 2015.03: War and Society in Early Modern Europe, 1550-1750
- HIST 2019.06: Early Modern Europe, 1450-1650
- HIST 2020.06: Imperial and Soviet Russia
- HIST 2021.03: Soviet Russia
- HIST 2022.03: Imperial Russia
- HIST 2030.06: Germany in 19th and 20th Centuries
- HIST 2032.03: 20th Century Germany
- HIST 2040.06: Modern France
- HIST 2041.03: France from the Revolution to the Great War
- HIST 2060.06: Origins of Modern Italy
- HIST 2061.03: Civilization of Baroque Italy
- HIST 2081.06: 20th Century Europe in Literature, Art and Film
- HIST 2101.03: Medieval England
- HIST 2106.03: Tudor and Stuart England, 1485-1689
- HIST 2111.03: Modern Britain to 1884
- HIST 2112.03: Modern Britain from 1884 to present
- HIST 2151.03: History of the Scottish People
- HIST 3002.03: Medieval Church
- HIST 3003.03: England in later middle ages
- HIST 3006.03: Renaissance and Reformation Europe
- HIST 3007.03: Pre-Industrial European Society
- HIST 3040.06: Culture and Behaviour in France 1550-1750
- HIST 3045.03: French Revolution

- HIST 3049.03: The First World War.
- HIST 3050.03: Europe and World War II
- HIST 3051.06: National Socialist and Fascist Movements
- HIST 3056.03: Holocaust
- HIST 3070.03: Urban Europe 1850-1950
- HIST 3090.03: Russian Society
- HIST 3092.03: Russian Topics
- HIST 3096.03: History of Ideas in Russia
- HIST 3102.03: Tudor History
- HIST 3103.03: Stuart History
- HIST 3105.03: English Civil War
- HIST 3107.03: English Family
- HIST 3108.03/HIST 3109.03: Topics in the Social and Cultural History of England
- HIST 3112.03: England 1867-1914
- HIST 3113.03: Britain in the Age of the First World War
- HIST 3114.03: Britain from Second World War to Thatcher
- HIST 3116.03: Advanced Seminar in British History
- HIST 4003.03: Medieval Civilization
- HIST 4060.03: Topics in the Civilization of Baroque Italy
- HIST 4105.03: English Civil War
- HIST 4106.03: Topics in Early Modern English History
- HIST 4639.03: Britain, Appeasement and the Origins of World War II

Italian Studies

All courses

Music

- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1352.03: Music History I
- MUSC 1353.03: Music History II
- MUSC 2221.03: Music Theory III
- MUSC 2222.03: Music Theory IV
- MUSC 2352.03: Music History III
- MUSC 2353.03: Music History IV
- MUSC 3066.03: Women, Gender and Music
- MUSC 3314.03: History of Opera
- MUSC 3221.03: Form and Analysis
- MUSC 3353.03: Chamber Music Literature
- MUSC 3355.03: The Piano and its Literature
- MUSC 4283.03: Early Music Analysis
- MUSC 4285.03: Late 19th Century Chromaticism
- MUSC 4353.03: Music since 1945
- MUSC 4355.03: Narrative Strategies in Nineteenth -Century Music
- MUSC 4356.03: Opera Studies

Philosophy

- PHIL 2610.03/PHIL 2620.03: History of Philosophy I, II
- PHIL 2710.03: Existentialism
- PHIL 3630.03: Kant
- PHIL 3635.03: 19th Century Philosophy
- PHIL 3650.03: Modern Philosophy
- PHIL 4190.03/PHIL 4191.03/PHIL 4192.03: Topics in the History of Philosophy

Political Science

- POLI 2410.03: Crisis and Consent
- POLI 2420.03: Revolution and Rationality
- POLI 3320.03: European Politics
- POLI 3321.03: Politics of the European Union
- POLI 3430.03: Political Philosophy of Plato
- POLI 3435.03: Machiavelli

- POLI 4479.03: Liberalism

Russian Studies

All courses

Spanish and Latin American Studies

- SPAN 3025.03: Traducción
- SPAN 2100.03: Evolving Spain: History, Culture, Society
- SPAN 2105.03: Catalan Language and Culture
- SPAN 2150.03: Hispanic Identities through Film
- SPAN 3020.03: Translation
- SPAN 3025.03: Traducción
- SPAN 3035.03: Advanced Spanish I
- SPAN 3036.03: Advanced Spanish II
- SPAN 3090.03: Spanish Phonetics and Pronunciation
- SPAN 3095.03: Evolution of Spanish
- SPAN 3500.03: Contemporary Spanish Literature

Theatre

- THEA 2011.03: Classical Theatre
- THEA 2012.03: Early Modern Theatre

Approved Courses with some European content (please consult European Studies Coordinator)

Commerce

- COMM 3701.03: The Firm in the International Environment

Economics

- ECON 3349.06: History of Economic Thought
- ECON 3310.03: Economic Growth in Historical Perspective

Music

- MUSC 2015.06: Music and Cinema

Philosophy

- PHIL 2260.03: Philosophy of Art
- PHIL 2705.03: Philosophy in Literature
- PHIL 3170.03: Theories of Feminism
- PHIL 3660.03: Post-Modern Philosophy

Political Science

- POLI 2300.06: Comparative Politics
- POLI 2410.03: History of Political Thought I
- POLI 2420.03: History of Political Thought II
- POLI 2520.03: Introduction to World Politics
- POLI 2530.03: Introduction to Foreign Policy
- POLI 3320.03: European Politics

- POLI 3321.03: Politics of the European Union
- POLI 3380.03: Politics of Climate Change
- POLI 3401.03: Contemporary Political Thought
- POLI 3450.03: Storm and Stress
- POLI 3475.03: Democratic Theory
- POLI 3431.03: Politics through Film and Literature
- POLI 4587.03: International Political Economy
- POLI 4322.03: The European Union as a Global Actor
- POLI 4323.03: Treaty Reforms in the European Union

Sociology and Social Anthropology

- SOSA 2200.06: Family in Comparative Perspective
- SOSA 3005.03: Knowledge, Work, and Culture in the Contemporary World
- SOSA 3206.03: Ethnicity, Nationalism and Race
- SOSA 3401.03: History of Sociological Thought

Theatre

- THEA 2300.06: Film Study
- THEA 2310.06: Film Genres
- THEA 3010.06: History of Musical Theatre
- THEA 3500.06: Modern Theatre
- THEA 3600.06: Playwright in the Theatre
- THEA 3911.03: Gender in Theatre: A Cross-Cultural Survey
- THEA 4931.03: Contemporary Theatre

Course Descriptions

EURO 2101 Europe: Ideas, Culture and Society to 1900

CREDIT HOURS: 3

A multidisciplinary introduction to European Studies emphasizing the period to 1900. Classes look at the interconnecting themes among literature, the arts, philosophy and society in Europe.

FORMAT: Lecture| Discussion

PREREQUISITE: Completion of at least two first-year courses from FASS departments, or the King's Foundation Year Program.

EURO 2102 Europe: Ideas, Culture and Society from 1900 to the Present

CREDIT HOURS: 3

A multidisciplinary introduction to European Studies beginning in the 20th century. Classes look at the interconnecting themes among literature, the arts, philosophy and society in contemporary Europe.

FORMAT: Lecture| Discussion

PREREQUISITE: Completion of at least two first-year courses from FASS departments, or the King's Foundation Year Program. Completion of EURO 2101.03 will ideally precede registration for this course.

EURO 3999 Independent Study

CREDIT HOURS: 3

Individually directed research and writing, supervised by a faculty member. This course is taught only by special arrangement between individual students and individual instructors. Signature required.

PREREQUISITE: Restricted to 3rd year European Studies Advanced Majors and Honours students

EURO 4510 European Studies Seminar

CREDIT HOURS: 6

Discussion of readings and presentations on European Studies topics. The topics for the seminar vary each year. The course emphasizes a broad multidisciplinary perspective on European Studies.

EURO 4512 European Studies Seminar

CREDIT HOURS: 3

Discussion of readings and presentations on European Studies topics. The topics for the seminar vary each year. The course emphasizes a broad multidisciplinary perspective on European studies.

FORMAT: Seminar

PREREQUISITE: Restricted to 4th year European Studies Honours and Advanced Major students

EXCLUSIONS: EURO 4510.06X/Y

EURO 4800X/Y Honours Essay in European Studies

CREDIT HOURS: 6

EURO 4801 Honours Essay in European Studies

CREDIT HOURS: 3

RESTRICTIONS: Honours Student in their final year of study

EURO 4802 Honours Essay in European Studies

CREDIT HOURS: 3

RESTRICTIONS: Honours Student in final year of study

Film Studies

Location:

Building/Room: Dalhousie Arts Centre

Street Address 1: Fountain School of Performing Arts

Street Address 2: 6101 University Avenue, Room 514

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3772

Fax:

Website: <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/film-studies.html>

Email Address: shannon.brownlee@dal.ca

Staff

Dalhousie Contact Person

Brownlee, S., (902) 494-13772

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Fountain School of Performing Arts, Dalhousie Arts Centre, Room 505

Film Studies Advisor

Film Studies Advisor

Nicol, D., (902) 494-1491

david.nicol@dal.ca

Fountain School of Performing Arts, Dalhousie Arts Centre, Room 526

Minor in Film Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

From its inception, cinema has had a significant impact upon the way humans represent and understand the world around them. Whether created within an entertainment, experimental, documentary or scientific framework, moving images have altered modern perceptions of reality. The Film Studies Minor program - offered between Dalhousie, the Nova Scotia College of Art and Design (NSCAD), St. Mary's University (SMU), and the University of King's College - offers students an opportunity to become familiar with the history of film making, the language employed in the discourses of film, as well as the various methodologies and forms of categorization applied to related fields of study within film culture.

Courses within the core program survey the history of film from the late nineteenth century to the present day and introduce students to various aspects of film theory and criticism. Courses at the intermediate and advanced level provide opportunities to study specific genres, directors, national cinemas as well as interdisciplinary topics: narration and narrative in fiction and film, feminist film practices, music and film.

This is an inter-University program that allows students to obtain credit hours from any of the participating institutions.

Core Requirements

Students must complete nine credit hours of core courses, including:

- THEA 2301.03: Film History I or NSCAD AHIS 2800.03: Film History and Criticism 1890 - 1940
- THEA 3301.03: Film History II or NSCAD AHIS 2810.03: Film History and Criticism 1940 - Present
- THEA 2311.03: Film Analysis or SMU ENGL 2511.03: Reading Film

* Students are strongly advised to take the core courses as soon as they declare their film minor.

Elective Requirements

Students must complete 15 credit hours from the following list of courses, including at least nine credit hours at the 3000 level or above:

- CHIN 3050.03/THEA 3350.03: Topics in Asian Cinema
- CTMP 3304.03/GWST 3304.03/JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- CTMP 3305.03: Modern Film and the Theory of the Gaze
- ENGL 2095.03: Narrative in the Cinema
- ENGL 3300.03: TV: Theory and Criticism
- ENGL 3314.03/THEA 3314.03: Shakespeare and his Contemporaries on Film
- FREN 2800.03: Cinema: The French Phenomenon I
- FREN 2801.03: Cinema: The French Phenomenon II
- GERM 2040.03: Monsters and Madness in 20th Century German Film
- GWST 3304.03/CTMP 3304.03/JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- GWST 3331.03/THEA 3331.03: Film Theory II: Desire in Cinema
- ITAL 2600.03/THEA 2314.03: Survey of Italian Cinema
- ITAL 3500.03: Topics in Italian Culture: Italian Neorealist Cinema
- ITAL 3600.03: Italian National Cinema: The New Wave
- JOUR 3304.03/CTMP 3304.03/ GWST 3304.03: Through Her Eyes: Women and the Documentary Tradition
- MUSC 2016.03: Topics in Music and Cinema
- MUSC 2017.03: Music and Cinema: Composer/Director Collaborations
- RUSN 2036.03/THEA 2336.03: Russian Film I
- RUSN 2037.03/THEA 2337.03: Russian Film II
- RUSN 2046.03/THEA 2346.03: East European Cinema: War, Love, and Revolutions
- THEA 3314.03/ENGL 3314.03: Shakespeare and his Contemporaries on Film
- THEA 2314.03/ITAL 2600.03: Survey of Italian Cinema
- THEA 2336.03/RUSN 2036.03: Russian Film I
- THEA 2337.03/RUSN 2037.03: Russian Film II
- THEA 2346.03/RUSN 2046.03: East European Cinema: War, Love, and Revolutions
- THEA 2360.03: Popular Cinema
- THEA 2911.03: Stars and Stardom on Stage and Screen
- THEA 3313.03: Documentary, Experimental and Animated Film
- THEA 3330.03: Film Theory I
- THEA 3331.03/GWST 3331.03: Film Theory II: Desire in Cinema
- THEA 3350.03/CHIN 3050.03: Topics in Asian Cinema
- THEA 3351.03: The Cinema of David Lynch
- THEA 4390.03: Special Topics in Film studies
- THEA 4391.03: Special Topics in Popular Cinema
- NSCAD AHIS 3822.03: Topics in Film History: Hitchcock's Films
- NSCAD AHIS 3826.03: Topics in Film History: Film Noir and Neo-Noir
- NSCAD AHIS 3832.03: Topics in Film History: Canadian Cinema
- NSCAD AHIS 3835.03: Topics in Film History: Contemporary Cinemas of Globalization
- NSCAD AHIS 3836.03: Topics in Film History: Subjectivities in Moving Pictures
- NSCAD AHIS 3837.03: Topics in Film History: Out on Screen
- NSCAD AHIS 3850.03: History and Criticism of Documentary Film
- SMU ACST 3305.03: Moving Images of Atlantic Canada
- SMU ENGL 3313.06: Narrative in Fiction and Film
- SMU RELS 3356.03: Religions and Film
- SMU ENGL 3511.03: Film and the City
- SMU ENGL 2325.03: The Media in Everyday Life
- SMU ENGL 3826.03: Contemporary Canadian Film and Television
- SMU HIST SMU 3450.03: Film and History
- SMU SOSI 3346.03/CRIM 3303.03: Crime and the Media
- SMU SOSI 4452.03: Atlantic Canadian Film and Television

Fountain School of Performing Arts

Location:

Building/Room: Dalhousie Arts Centre

Street Address 1: 6101 University Avenue
Street Address 2: Room 514
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-3772
Fax: (902) 494-2801
Website: www.dal.ca/performingarts
Email Address: fspa@dal.ca

Introduction

The Fountain School of Performing Arts brings together the former departments of Music and Theatre as a single academic unit. Areas of study include Acting, Film Studies, Composition, Costume Studies, Music Performance, Musicology, Music and Theatre, Technical Theatre and Stage Design, and Theatre Studies. The Fountain School of Performing Arts supports a wide variety of cross-disciplinary initiatives including a high-profile visiting arts program and active outreach and mentoring programming.

For more information on academic programs, see the following Calendar sections:

Film Studies
Music Programs
Theatre Programs

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Interim Director

Gantar, J., BA, MA (Ljubljana), PhD (Toronto)

Undergraduate Advisor(s)

Allen, P. (902 494-3660) (Music)
Barker, R. (902 494-1495) (Theatre)

Professors Emeritus

Perina, P., MA, Dip. Scenography (Prague)
Schroeder, D. P., AMus, BA, MA (Western), PhD (Cantab)

Professors

Gantar, J., BA, MA (Ljubljana), PhD (Toronto)
Servant, G. W., BMus (Dalhousie), MMus, DMA (Hartt), Artist Diploma (Opernhaus Zurich)
Swanston, M., BMus (Lethbridge), PG DipMus, Opera Program (Guildhall School of Music and Drama, London, U.K.)

Associate Professors

Allen, P., BMus (Mt. Allison), MMus (Yale)
Bain, J., BMus (Wilfrid Laurier), MA (McGill), PhD (Stony Brook)
Barker, R., BA (King's), MA (Dalhousie), PhD (Birmingham)
Baur, S., BA Music (Loyola Marymount), MA (UCLA), PhD (UCLA)

Blais, J., BMus (McGill), MMus, DMus (Montreal)
Djokic, P., BMus, MMus (Juilliard)
Dionne, M., CEGEP (McGill), BFA (NCSA), MEd (Fordham)
Joubert, E., BMus, MMus (Toronto), DPhil (Oxford)
McClure, R., BA (Queen's), BED, MA (Toronto), Dip. (NTS)
Nicol, D., BA (Wales), MA (Birmingham), PhD (UCE)
Sorge-English, L., BA (King's/Dalhousie), MA (NYU), PhD (Oxford Brookes)
Stackhouse, S., BA (Dalhousie), Dip. (NTS), ADVS (CSSD)
Stodola, L., BMus (Chicago), MMus (Juilliard)
Warwick, J., BMus (Toronto), MA (York), PhD (UCLA)
White, J., BA (Oregon), MA, PhD (Alberta)

Assistant Professor

Brownlee, S., BA (King's), MA (York), PhD (UC Santa Cruz)

Senior Instructor

Kristoff, D., BHeC (MSVU), DCS (Dalhousie), MSc (Manitoba)

Instructor

Henderson, A., BA (Dalhousie) MA (NSCAD)

Lecturers

Dinning, J., Dip (National Theatre School)
Edgett, K.
Mitchell, C.
Pennoyer, J., BA (McMaster)
Reach, D., BMus (Dalhousie)

Special Instructors

Buzek, T., BA (Dalhousie)
MacLennan, B., BA (Dalhousie)
Robb, M., Dip (Sheridan)

Part-Time Academics

Beeler, N., BME (Acadia), MMus (Manitoba)
Bradshaw, D., BMus, MMus (Toronto)
Brownell, J., BMus (Acadia), MMus (Arizona State)
Crofts, T., BMus (Dalhousie), MMus (New England Conservatory)
Creighton, P., BMus (Toronto)
Feierabend, C., BMus (Toronto), MMus (Juilliard)
Gray, D., BMus, MMus (McGill)
Hayes Davis, L., BMus (Dalhousie), MMus (Westminster Choir College), Opera Studies (Hartt)
Hoffman, A., BMus, MMus (New England Conservatory)
Kasper, M., Artist Diploma (Toronto)
Lemieux, S., BMus (Ottawa), MMus (Michigan)
Mackenzie, V., MFA (York), BSc (Dalhousie)
MacLeod, M. J., BA (Dalhousie)
Macmillan, S., BMus (Dalhousie)
Mathis, E., BMusEd (UPEI), MMus (Northwestern)
McCarthy, E., BMus (Eastman), MMus (Emporia State)
Murray, C., BA (Mt. Allison)
Myalls, T., Dip Audio Engineer (Rec Arts Canada)

Oleskevich, P., BMus (Toronto)
Parker, D., BMusEd (Acadia), MMus (Boston University), Artist Diploma (Toronto)
Rothwell, I.
Sheppard, C., BMus (Dalhousie)
Simoneau, R.
Torbert, J., BMus (Dalhousie)
Walsh, E., BMus (UBC), MMus (Indiana)
Walt, S., BMus (Tel Aviv)
Whynot, S., BMusEd (Dalhousie), Cert. Organ Perf (Int'l Organ Academy), MM (Westminster Choir College)

Collaborative Pianists

Bradshaw, D., BMus, MMus (Toronto)
Docking, S., BMus (Sydney, Australia), MMus, DMA (Stony Brook)
Horvath, N., BMus (U Victoria), MMus (Denver), DPST (UBC)
Pritchard, B., BMus (UBC), Lic Music (Western Board)
Wahlstrom, L., BMus (Brandon), Lic Piano (McGill)

French

Location:
Building/Room: Marion McCain Arts and Social Sciences Building
Street Address 1: 6135 University Avenue
Street Address 2: Room 1114
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-2430
Fax: (902) 494-1626
Website: www.dal.ca/french
Email Address: French@dal.ca

Introduction

The Department of French offers students not only the opportunity to develop fluency in courses backed up by computer-aided language learning facilities, but also the possibility of studying the literature and culture of France, French Canada and the other countries and regions of the French-speaking world, as well as the linguistic structure and development of French.

Courses are available for beginners and for those with a background in the language who wish to improve and maintain any or all of the following skills: speaking, listening, reading, and writing. Other courses are specially designed for students who are interested in translation, or other areas of language study. The role of French in Canada and in the Maritimes is stressed in courses in Acadian and Québec literature and civilization. The literature of France and French-speaking nations is brought to life in courses organized around a theme, a genre, or an historical period.

The Department of French urges students to practise the language as much as possible. The French Club organizes activities including films, French meals, parties and plays in which all students may participate. Participation in immersion programs and individual student travel and study are encouraged. Please consult the Department for information and see below: Studies in a Francophone Environment.

A BA degree in French with Honours, or with Honours in French and another allied subject, may lead the student to a career in education, translation or interpreting, or may provide the background for careers in many fields, including radio, television, law, social work, public relations, business, diplomacy, journalism and library science. Students considering French as a minor in a BA degree are invited to discuss the matter at any time (the earlier the better) with a departmental advisor. The focus is on the particular needs and aspirations of the individual. An Honours degree is normally required for access to graduate studies: MA and PhD degrees may be pursued in the Department (see the Calendar for Faculty of Graduate Studies).

The French Department offers a number of academic awards to students, including the Ruth Murray Scholarship, the French Department Scholarship, the Marcelle Cendres Sandhu Memorial Prize, the Sabah Metlej French Scholarship, the Prof. and Mrs. Robert Lloyd McIntosh Prize, the Prix de l'Alliance française, and Embassy and Consular book prizes. Graduating Honours and Majors students may apply to the French Embassy for an eight month internship to tutor in France.

Students may, with the approval of the Department of French, take up to one year of study at a University in a francophone environment and receive credit at Dalhousie. Bursaries may be available for students selected to participate in the Dalhousie Studies in a Francophone Environment Programs.

The language requirement exemption test in French is given in the April examination period. Students should register at the Registrar's Office before mid January by completing an *Application for Exemption from the Language Requirement*. A copy of the form must be provided to the French Department. Please note that passing the language requirement exemption test does not give a course credit.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Requirements for the four degree programs are set out in the following sections. Electives from other departments, when chosen with care, can enrich and enhance the major courses. Departmental Advisors can provide information on recommended electives. All Majors and Honours Students must consult with the Undergraduate Advisor.

Students interested in a degree in European Studies should consult the **European Studies** section.

Students interested in an emphasis or a combined degree in Canadian Studies should consult the **Canadian Studies** section.

Students interested in the Certificate of Intercultural Communication should consult the Calendar entry.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Elson, C. (902 494-6812)

Undergraduate Advisor

Frigerio, V., Honours and Majors Advisor (902 494-6805)

Professors Emeriti

Bednarski, B., BA (London), MA (Dalhousie), PhD (Laval)

Bishop, M., BA, BEd (Manchester), MA (Manitoba), PhD (Kent, Canterbury)

Gordon, W. T., BA, MA, PhD (Toronto)

Kocourek, R., State Examination, PhD, CSc (Charles U., Prague), Knight of the Order of Academic Palms

Runte, H. R., MA, MPH, PhD (Kansas)

Professors

Frigerio, V., Beaux Arts (Geneva), BA (York), MA, PhD (Toronto)

Oore, I. Z., BA (Tel-Aviv), MA (Waterloo), PhD (Western)

Associate Professors

Aïssaoui, D., DEA (Metz), PhD (Ottawa)

Elson, C., BA (Vind), MA (Dalhousie), Dr de 3e cycle (Sorbonne)

Milicevic, J., BA (Belgrade), MA, PhD (Montreal)

Mopoho, R., BA (Yaounde, Cameroon), MA, PhD (Montreal)

Assistant Professors

Masse, V., BA, MA (McGill), PhD (Toronto)
Simedoh, V., PhD (Queen's)

Senior Instructor

Lee Men Chin, P., BA (Concordia), MA (Carleton), PhD (Dalhousie)

Instructors

Abou Hassan, T., BA, MA (Dalhousie)
Black, I., BA, MA (Toronto), PhD (Edinburgh)

BA with Honours in French

This program offers systematic, comprehensive and individualized study of French language, literature, linguistics and other program elements both inside and outside the classroom. It is, therefore, an option which should be considered seriously by any student who, with career or personal objectives in mind, wishes to obtain a strong background in French and by those who plan to teach or earn a graduate degree in French.

Honours students are strongly encouraged to enrich their learning experience by spending at least one term in a French-speaking area. Please consult the department for information on our Dijon program.

Potential Honours applicants should consult the Department's Undergraduate Advisor, preferably during their second year of study, regarding the application procedure and relevant deadlines.

Concentrated Honours (120 credit hours)

Students must meet the Faculty degree requirements which include 54 to 66 credit hours in French.

Departmental Requirements

2000 level

- FREN 2020.03
- FREN 2045.06
- FREN 2201.03
- FREN 2202.03

3000 level

- FREN 3021.03 or FREN 3022.03
- FREN 3045.06
- six credit hours in literature and/or culture

4000 level

- FREN 4017.03 and FREN 4046.03
- twelve credit hours at the 4000 level
- At least six credit hours, 2000 to 4000 level, for a total of 54 credit hours in French
- FREN 4933.00 (Honours Seminar)

Second year (i.e., 2000 level) courses taken during the student's first year at Dalhousie may count towards major or honours, with the approval of the department.

An additional grade is required: either an Honours Essay or an Oral Presentation (see document entitled "French Honours Qualifying Examination" available from the Honours Advisor or the departmental secretary).

Honours Conversion

The Honours Conversion is an option for continued study open to anyone who has previously completed a BA (90 credit hours) program at Dalhousie. Normally, it consists of 30 credit hours of course work plus six additional credit hours: either an honours essay or an oral interview based on course work and /or a specific topic. Requirements for the Honours Conversion are similar to those for the concentrated Honours Program, but will vary according to individual circumstances.

120 credit hour degrees may also be converted to Honours degrees; please consult the departmental Undergraduate Advisor.

BA or BSc Combined Honours

Students must meet the Faculty degree requirements which include 30 to 48 credit hours in French for a total of 66 to 84 credit hours in French and another subject. Minimum requirements for the Combined Honours program are as follows: FREN 2045.06, FREN 2201.03, FREN 2202.03, FREN 3045.06, FREN 4017.03 and FREN 4046.03 plus a minimum of six credit hours in language, literature, culture or linguistics at the 3000 or 4000 level. When French is the primary subject, FREN 4933.00 (Honours Seminar) and an additional credit are required: either an Honours Essay or an Oral Presentation (see document entitled "French Honours Qualifying Examination" available from the Undergraduate Advisor or the departmental secretary).

BA (120 credit hour) Major in French

Students must meet the Faculty degree requirements which include 42 to 54 credit hours in French.

Departmental requirements

2000 level

- FREN 2045.06
- FREN 2201.03
- FREN 2202.03

3000 level

- FREN 3045.06
- Twelve credit hours at the 3000 level in French

4000 level

- FREN 4017.03 and FREN 4046.03
- Six credit hours at the 4000 level in French

PLEASE NOTE: Students with proper standing wishing to change to an Honours Program may do so, in which case they should also take FREN 2020.03 and FREN 3021.03 or FREN 3022.03 (required for Honours), and consult the Chair or the Undergraduate Advisor.

BA or BSc (120 credit hour) Double Major in French

Students must meet the Faculty degree requirements which include 30 to 48 credit hours in French.

Departmental requirements include FREN 2045.06, FREN 2201.03, FREN 2202.03, FREN 3045.06, plus six credit hours at the 3000 level, and six credit hours at the 2000 - 4000 level.

Students must have a combined total of 60 - 84 credit hours in two allied subjects.

BA (90 credit hour) Minors in French

1. Minor in French
2. Minor in French Literature and Culture

For further information, see the Minors in French section of this Calendar.

Studies in a Francophone Environment

Study Abroad Program in Dijon, France

Students at all levels of proficiency in French have the opportunity of spending a full regular session (or winter semester) at the CIEF (Centre International d'Etudes Françaises) on the Université de Bourgogne campus in Dijon, which is located about 300 km southeast of Paris.

Students will register for courses via letter of permission and will receive grades on a Pass/Fail basis. The courses will be noted on the student's academic record as transfer credits.

Upon arrival at the CIEF, students are placed in the appropriate proficiency level, which correspond to first, second or third year transfer credits at Dalhousie. 30 credit hours are awarded for the regular program.

In addition to compulsory language courses, the CIEF offers courses in French literature, civilization, history, art history, cinema, music, economics, political science, philosophy, and more. Students who opt for electives in areas such as history, philosophy, economics and political science may be eligible for transfer credits in the other subject areas.

Study Work International Fund (SWIF) funding up to \$2,000 may be available through the International Centre.

An information session is held in November of each year, with applications due early in the new year. For information, consult the website at dal.ca/dijon or contact french@dal.ca or 902 494-2430.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

PLACEMENT TEST: All students taking their first French course at Dalhousie are required to take the French Placement Test prior to selecting their first French course. The test is available online at <http://www.dal.ca/frenchtest>.

Some courses are offered in English, including FREN 1004X/Y.06 which satisfies the Bachelor of Arts Language requirement. Other courses taught in English, that do not satisfy this degree requirement, are FREN 2060.03, FREN 2075.03, FREN 2275.03, FREN 2666.03, FREN 2800.03, FREN 2801.03, FREN 3125.03, FREN 3175.03, FREN 4016.06.

Most courses above this level are given entirely in French. Exceptions: FREN 2060.03, FREN 2275.03, FREN 2666.03, FREN 2800.03, FREN 2801.03, FREN 3125.03, FREN 3175.03, FREN 4016.06 (These courses do not satisfy the French degree program requirements or the Faculty of Arts Language requirement.)

Course Descriptions

FREN 1004X/Y Pratique de la lecture/French for Reading

CREDIT HOURS: 6

This course develops the ability to read contemporary French prose with ease and accuracy. Emphasis is on the acquisition of skills that facilitate reading. Classroom work involves a grammar review, study and discussion of a wide variety of readings, reading comprehension, as well as correction of prepared translations and sight translations (from French to English only). FREN 1004.06 is given in English and is not, by itself, suitable for students who plan to major in French. It may, however, be taken by those with no prior training in French or as an additional first-year option for those taking FREN 1005X/Y.06 or FREN 1045X/Y.06. This course also satisfies the Bachelor of Arts Language Requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Online French Placement Test (dal.ca/frenchtest)

EXCLUSIONS: FREN 1060.06

FREN 1005X/Y Français fondamental/Basic French

CREDIT HOURS: 6

For students with little or no previous background in French, for example students with grade 8-11 core French (online Placement Test required: www.dal.ca/frenchtest). This course presents the basic components of French grammar with an emphasis on simple sentence types, and develops all four language skills: speaking & writing, and listening & reading comprehension. It also provides an introduction to Francophone culture worldwide. This course is normally followed by FREN 1045X/Y.06 (for students who have achieved a final grade of B or above), or FREN 2005 for students who do not wish to major in French. This course satisfies the Bachelor of Arts Language Requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: Online Placement Test required: dal.ca/frenchtest

EXCLUSIONS: FREN 1000X/Y.06, 1006X/Y.06, 1050X/Y.06

FREN 1045X/Y Français intermédiaire/Intermediate French

CREDIT HOURS: 6

For students with some background in French, for example grade 11-12 core French (online Placement Test required: www.dal.ca/frenchtest), or follows FREN 1005 (for students who have achieved a final grade of B or above) or FREN 2005. Focusing on the study of more advanced grammatical structures with an introduction to grammatical analysis, this course also aims to further develop the four language skills: listening, reading, writing and speaking. Selected readings will lead to the application of structures being studied and to vocabulary enrichment. Weekly tutorials are an integral part of this course. A final grade of B or above in this course leads to all second-year French courses. This course satisfies the Bachelor of Arts Language Requirement and is normally followed by FREN 2045 or FREN 2021 and FREN 2022.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

PREREQUISITE: FREN 1005X/Y.06 (final grade B or above), FREN 2005X/Y.06 or equivalent (Online Placement Test required: www.dal.ca/frenchtest)

EXCLUSIONS: FREN 1050X/Y.06

FREN 1050X/Y Français pour anciens étudiants des programmes d'immersion/French for Former Immersion Students

CREDIT HOURS: 6

For students who have completed French Immersion to Grade 12 (online Placement Test required: www.dal.ca/frenchtest). Focusing on the study of more advanced grammatical structures including grammatical analysis, this course also aims to further develop the four language skills: listening, reading, writing and speaking. Selected readings will lead to the application of the structures being studied and to vocabulary enrichment. This course will enable immersion graduates to build on their strengths while working to eliminate ingrained errors. A final grade of B or above, in this course normally leads to all second-year French courses. This course satisfies the Bachelor of Arts Language Requirement and is normally followed by FREN 2045 or FREN 2021 and 2022.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: Online Placement Test required: dal.ca/frenchtest

EXCLUSIONS: FREN 1005X/Y.06, FREN 1045X/Y.06

FREN 1994 Independent Study

CREDIT HOURS: 3

This course is given in preparation for students studying abroad in the Winter term.

FREN 2002 Le français oral/Spoken French

CREDIT HOURS: 3

In this course, students will develop their ability to express themselves orally in French. The course will emphasize the use of idiomatic and socio-culturally appropriate vocabulary and structures for a variety of communication purposes. Audio-visual and electronic resources, as well as interactive technology, may be integrated into course material.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 1045X/Y.06, or 1050X/Y.06 FREN 2005X/Y.06 or 2000-level Placement Test result, or instructor's permission

FREN 2005X/Y Français pratique pour non-spécialistes/Practical French for Non-Majors

CREDIT HOURS: 6

This course follows French 1005 and is designed for students who do not wish to major in French but who would like to maintain and improve their general knowledge of French language and Francophone culture. Along with further training in basic grammatical structures, the course focuses on the practical and accurate use of French to further develop communication skills. Based on authentic audiovisual and multimedia material (films, commercials, documentaries, etc.), activities will aim at vocabulary enrichment, oral comprehension and expression development and will focus mainly on contemporary and daily life topics in a Canadian context. Successful completion of this course (final grade of B or above) leads to second year courses such as FREN 2002 or FREN 2021/2022 for Non-Majors, or to FREN 1045 for students who subsequently decide to major in French. This course does not count towards a Major or Minor in French.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 1005.06 (final grade of B or above) or instructor's permission

FREN 2020 Introduction à la linguistique/Introduction to Linguistics

CREDIT HOURS: 3

Linguistics is the science of language. This course is designed to serve as an introduction to basic concepts in linguistics. The various subfields of linguistics will be introduced with a focus on the core areas of linguistics: phonetics, phonology, morphology, syntax, and semantics. Students will learn about the structure of language at different levels of organization: phonemes, syllables, words, phrases, and sentences.

FORMAT: Lecture

PREREQUISITE: FREN 1045X/Y.06 or 1050X/Y.06, or 2000-level Placement Test result or instructor's permission

EXCLUSIONS: FREN 3020.06

FREN 2021 Langue et culture/Language and Culture

CREDIT HOURS: 3

Normally follows FREN 1045X/Y.06 or 1050X/Y.06, and is taken in the second year of study. This course provides the opportunity to practise and improve language skills (vocabulary and grammar) already acquired. Each year sections offer topics from the options listed below. Each section focuses upon a broad cultural topic via which language skills are developed. No prior knowledge of the topic is supposed. Various readings lead to discussions and oral presentations. Descriptions for sections offered in a specific year may be obtained in April from the Department. All classes and assignments are entirely in French. A maximum of two sections may be taken under the class designation of FREN 2021.03 and 2022.02. Approved in part with Canadian Studies (topic 7 and 15), IDS (topic 3), and Film Studies (topic 13). Topic 01: Le journalisme: I. Oore; Topic 02: La société française à travers la littérature; Topic 03: La civilisation francophone de l'Afrique occidentale et des Antilles; Topic 04: Etudes acadiennes; Topic 05: Monuments culturels de Paris; Topic 06: La France et ses photographes; Topic 07: Québécois et Québécoises célèbres; Topic 08: Contes et légendes; Topic 09: Nature et culture; C. Elson; Topic 10: L'Art en France depuis la Révolution; Topic 11: Voyages culturels à travers la France; Topic 12: Le roman policier: V. Frigerio; Topic 13: Aspects du cinéma français et francophone: C. Elson; Topic 14: Faim et festin: I. Black; Topic 15: Communication et compétence interculturelle; Topic 16 Francophonie et civilisation marocaine: D. Aissaoui

FORMAT: Lecture

PREREQUISITE: FREN 1045X/Y.06 or FREN 1050X/Y.06, or 2000-level Placement Test result, or instructor's permission

CROSS-LISTING: CANA 2021.03. Please note that the cross-listing with Canadian Studies depends on the topic of the course. Please check with instructor.

FREN 2022 Langue et culture/Language and Culture

CREDIT HOURS: 3

Normally follows FREN 1045X/Y.06 or FREN 1050X/Y.06. This course provides the opportunity to practise and improve language skills (vocabulary and grammar) already acquired. Each year sections offer topics from the options listed under FREN 2021.03. Each section focuses upon a broad cultural topic via which language skills are developed. No prior knowledge of the topic is supposed. Various readings lead to discussions and oral presentations. Descriptions for sections offered in a specific year may be obtained in April from the Department. All courses and assignments are entirely in French. A maximum of two sections may be taken under the course designation of FREN 2021.03 and FREN 2022.03. For possible topics, see FREN 2021.03. Approved in part with Canadian Studies (topic 7), Film Studies (topic 13) and IDS (topic 3).

FORMAT: Lecture

PREREQUISITE: FREN 1045X/Y.06 or FREN 1050X/Y.06, FREN 2005X/Y.06 or 2000-level Placement Test result, or instructor's permission

CROSS-LISTING: CANA 2022.03 NOTE: The cross-listing with Canadian Studies depends on the topic of the course. Please check with your instructor to see if course is cross-listed for the current year.

FREN 2025 Morphologie/Morphology

CREDIT HOURS: 3

The course builds upon elements of morphology introduced in FREN 2020 (Introduction to Linguistics). It focuses on the place of morphology in the general linguistic theory and on formal modeling of morphological phenomena in several languages, in particular French.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: FREN 2020/FREN 3020 or equivalent

FREN 2032 Phonologie/Phonology

CREDIT HOURS: 3

Using varied texts and recordings, this course studies the basic sounds (phonemes) of French, and the essential non-phonemic features of the language (rhythm, stress, intonation, etc.). It helps students master French phonemes, understand the role of non-phonemic features in oral communication and use the latter to develop self-expression and audio comprehension.

FORMAT: Lecture| Lab

PREREQUISITE: FREN 1045X/Y.06 or FREN 1050X/Y.06, or 2000-level Placement Test result, or instructor's permission

FREN 2045X/Y Grammaire intensive/Intensive Grammar

CREDIT HOURS: 6

This course develops a more advanced knowledge of French. A detailed study of grammar through an in-depth analysis of all components of simple, complex and marked sentences leading to paragraph and text analysis. Emphasis is placed on the correspondence between grammatical content and meaning. Various grammar, writing and translation exercises will aim at developing the ability to communicate in clear, accurate written French. This class normally follows FREN 1045/FREN 1050, and is normally followed by FREN 3045.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: FREN 1045X/Y.06 (final grade of B or above), FREN 1050X/Y.06 (final grade of B or above), or 2000-level Placement Test result

EXCLUSIONS: FREN 1040X/Y.06

FREN 2070 Le français des affaires I/French for Business I

CREDIT HOURS: 3

This course aims to introduce the basic elements of business and administrative French. While developing oral, reading and writing skills through the use of authentic economic and business documents, students will master vocabulary specific to the workplace. This course is normally followed by FREN 3070 (French for Business II)

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 1045/FREN 1050 or 2000-level placement test or instructor's permission

RESTRICTIONS: Must be taken before FREN 3070

EXCLUSIONS: FREN 3030X/Y

FREN 2075 Introduction to Linguistics

CREDIT HOURS: 3

Taught in English, the course focuses on core theories and methods of linguistics and its principal subfields: phonology, morphology, syntax, semantics, pragmatics and sociolinguistics. Open to first year students.

FORMAT: Lecture

PREREQUISITE: None

FREN 2201 FREN 2202: Introduction à la littérature/ Introduction to French Literature

CREDIT HOURS: 3

A survey of literature in French from the Middle Ages to the 20th Century, presenting selected works of prose, poetry and theatre from France, and possibly also from Québec, Acadia and other francophone areas. Introduction to general notions of literary history and to the basic techniques involved in reading literary texts. Attention is paid to the development of both oral and written expression of ideas. FREN 2201.03 and FREN 2202.03 may be taken consecutively. Classes involve group discussions and lectures.

FORMAT: Lecture

PREREQUISITE: FREN 1045X/Y.06 or FREN 1050X/Y.06, or 2000-level Placement Test result.

FREN 2275 French Literature in Translation: The Novel/Littérature française: le cas du roman en traduction anglaise

CREDIT HOURS: 3

Given in English, with no prior knowledge of French required, this course will study key fictional works representative of different historical periods and the changing form of the novel. Approximately seven to eight works from a selection of the following authors will be studied: Chretien de Troyes, Marguerite de Navarre, Madame de Lafayette, Rousseau, Laclos, Balzac, Flaubert, Stendhal, Proust, Colette, De Beauvoir, Duras. The selection of authors and works may vary from year to year, but the “survey” nature of the course will be maintained. The language of the course will be English. This course does not satisfy the French degree program requirements.

French Majors and Honours students may take this course as an elective.

FORMAT: Lecture| Seminar

FREN 2666 The End of the World, from 'Apocalypse' to 'Zombies'

CREDIT HOURS: 3

Given in English, with no prior knowledge of French required, this course is an introduction to the 'End of the World' (the end of Mankind / of the Earth / of the whole Universe) as a topic or as an archetype in a selection of narratives ranging from religious and prophetic writings to modern 'apocalyptic and post-apocalyptic fiction'. The survey will be both chronological (from pre-biblical writings to 21st c. cinema) and thematic (destruction and renewals, chronologies and predictions, war and famine, death and the undead).

NOTES: This course does not satisfy the French degree program requirements. French Majors and Honours students may take this course as an elective.

FORMAT: Lecture

ASSESSMENT METHOD: Reading quizzes (3), book report (1), exams (2)

FREN 2800 Cinema: The French Phenomenon I From the Lumière Brothers to the New Wave

CREDIT HOURS: 3

Given in **English**, with no knowledge of French required, this course traces the history of French film from its beginnings, through its “classic” period, to the movements and authors of the 1950’s and 60’s New Wave in French cinema. The social and broad cultural dimensions of the French and Francophone film world will be explored, as will its rich and changing aesthetic and theoretical implications. Lectures will blend with open discussion periods based on selected readings and viewings. Directors and scriptwriters whose work will be discussed include Renoir, Prévert, Bresson, Resnais, Duras, Godard, Robbe-Grillet, Varda, Bunuel, Truffaut, Malle, Rohmer, Chabrol. Actors as varied in technique as Arletty, Gabin, Belmondo, etc. will draw attention.

NOTES: Film Studies minor specialists should consult program requirements. This course *does not* satisfy the French degree program requirements. French Majors and Honours students may take this course as an elective.

FORMAT: Lecture| Discussion

FREN 2801 Cinema: The French Phenomenon II From the New Wave to the New Millennium

CREDIT HOURS: 3

Given in **English**, with no knowledge of French required, this course traces the history of French film from the author-based cinema of the New Wave period (1950’s and 60’s France) right up to contemporary developments in France and the contemporary Francophone world at large: Québec, the Maghreb, West Africa, Acadia, Belgium, the Antilles, etc. As with FREN 2800.03, this course will consider the social and broad cultural dimensions of the French and Francophone film world and its rich and changing aesthetic and theoretical implications. Lectures will blend with open discussion periods based on selected readings and viewings. Directors and scriptwriters whose work will be discussed include Godard, Robbe-Grillet, Varda, Truffaut, Malle, Rohmer, Chabrol, Besson, Tavernier, Jutra, Chiasson, Perreault, Arcand, etc. Actors as varied in technique as Deneuve, Depardieu, Dauteuil, etc. will draw attention. Consideration will be given to the documentary tradition, particularly its manifestations in French Canada.

NOTES: Film Studies minor specialists should consult program requirements. This course *does not* satisfy the French degree program requirements. French Majors and Honours students may take this course as an elective.

FORMAT: Lecture| Discussion

FREN 2994 Independent Study

CREDIT HOURS: 3

This course is normally restricted to students preparing to study abroad in the winter term.

FREN 3000 Cours supérieur de français oral/ Advanced Oral French Workshop

CREDIT HOURS: 3

Class discussions and oral presentations based on themes of contemporary concern. This course is intended to build vocabulary, perfect facility of expression (fluency) and style. Reading and research are necessary for the oral presentations.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2002.03 or instructor's permission

FREN 3017 Linguistique différentielle/Differential Linguistics

CREDIT HOURS: 3

A contrastive comparison of English and French from a syntactic, lexical, semantic and stylistic point of view, intended to help students acquire the skills necessary to identify and correct acquisition errors stemming from the influence of one language on the other. The course will raise students' awareness of the specificity of each language, and deepen their understanding of the practical functioning of both English and French.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: FREN 2020.03, FREN 2075.03

FREN 3021 Syntaxe/Syntax

CREDIT HOURS: 3

Syntax is a linguistic discipline focusing on sentence structures i.e., on how words are organized linearly and hierarchically together in order to form larger units: phrases, sentences. Some theoretical frameworks have been defined which propose sets of principles/(meta) rules aiming at describing syntactic features that are both common to all languages and specific to individual ones. This course will concentrate on the description of French syntax (general/specific features) through one (or more) of these frameworks.

FORMAT: Lecture

PREREQUISITE: FREN 2020.03

EXCLUSIONS: FREN 3020.06

FREN 3022 Sémantique/Semantics

CREDIT HOURS: 3

This course builds upon the elements of semantics introduced in FREN 2020.02. It focuses on the acquisition of fundamental semantic concepts (semanteme, semantic predicate/object, semantic decomposition, semantic & lexical relations) and their application to semantic descriptions of fragments of particular languages, in our case of French.

FORMAT: Lecture

PREREQUISITE: FREN 2020.03

EXCLUSIONS: FREN 3020.06

FREN 3025 Les Parlers acadiens: Introduction linguistique/Linguistic Introduction to Acadian Dialectology

CREDIT HOURS: 3

An examination of the phonetic, morphosyntactic and lexical systems of various Acadian speech communities, with emphasis on the Acadian dialects of Nova Scotia. Comparisons will be made between these dialects and both standard French and Québécois. Recorded and written materials are used. Approved with Canadian Studies.

FORMAT: Lecture

PREREQUISITE: FREN 2045X/Y.06 or instructor's permission

FREN 3026 Le français québécois/Québec French

CREDIT HOURS: 3

Definition, origin and evolution of the French of Québec. Study of its phonetic, lexical, morphosyntactic and semantic characteristics. Comparison with Canadian French outside of Québec and with international French. Analysis of written and oral documents for the purpose of illustration.

FORMAT: Lecture

PREREQUISITE: FREN 2045X/Y.06 or instructor's permission

CROSS-LISTING: CANA 3026.03

FREN 3045X/Y Expression écrite /Written Expression

CREDIT HOURS: 6

This course normally follows FREN 2045. It introduces the students to different types of texts and their communicative functions. Students learn how to analyze texts and how to produce them in similar written communicative situations. Grammar is hence taught in the natural context provided by the texts. Students work with a corpus of authentic documents and with electronic tools. While students' common grammar and stylistic weaknesses are addressed, attention is also given to students' individual writing problems. Self-correction strategies are put in place to help them overcome these. This course is normally followed by FREN 4017 and FREN 4046.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: FREN 2045X/Y.06 or equivalent or instructor's permission

FREN 3070 Le français des affaires II/French for Business II

CREDIT HOURS: 3

This course is a continuation of FREN 2070 and will focus on the development of reading, writing and oral skills in the following areas: commercial correspondence and writing; management, banking, financial and economic terminologies; specificities of business word processing in French.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2070 or instructor's permission

RESTRICTIONS: May not be taken before FREN 2070

EXCLUSIONS: FREN 3030X/Y

FREN 3101 Culture et civilisation françaises/French culture and civilization

CREDIT HOURS: 3

This course aims to provide, through lectures, readings, discussions and presentations, an overview of French culture and civilization, which will focus on contemporary France while taking a historical perspective.

PREREQUISITE: 2000-level French course

EXCLUSIONS: FREN 3100X/Y.06

FREN 3125 The French-Speaking World/Le monde francophone

CREDIT HOURS: 3

Given in English, with no prior knowledge of French required, this course provides an introduction to the French-speaking world from a political, cultural, social and economic perspective. Study of the organization known as la Francophonie, with an emphasis on its evolution and mandate, as well as on the bilateral and multilateral cooperation between its member countries. The course is designed for students who are not specializing in French. The course format will consist of lectures and in-class discussion of print and audio-visual materials. Student assessment will be based on oral presentations, assignments, exams and written papers. This course does not satisfy the French degree program requirements. French Majors and Honours students may take this course as an elective.

FORMAT: Lecture

CROSS-LISTING: INTD 3125.03

FREN 3150 Aspects de la francophonie/Aspects of the Francophone World

CREDIT HOURS: 3

Taught in French, this course provides an introduction to the study of the francophone world: political, economic, linguistic, literary and cultural aspects. From year to year the course may emphasize different regions: Western Countries, Sub-Saharan Africa, Pacific Islands, West Indies, Northern Africa.

FORMAT: Lecture

PREREQUISITE: 2000-level French course or instructor's permission

CROSS-LISTING: INTD 3150.03

FREN 3175 Topical Issues in Francophonie/Thèmes de la francophonie

CREDIT HOURS: 3

Given in English, with no prior knowledge of French required, this course builds on the overview provided by FREN 3125, and involves an in-depth study of a selection of topics that are of relevance to the francophone world, including: the relationship between French and native languages; linguistic and cultural policies; languages in the educational system; economic development issues; North-South relations, etc. Approved with IDS. The course is taught in English and does not satisfy the French degree program requirements. French Majors and Honours students may take this course as an elective.

FORMAT: Lecture

PREREQUISITE: FREN/INTD 3125.03 or FREN/INTD 3150.03, or instructor's permission

FREN 3203 Approches du texte littéraire/ Approaches to Literary Texts

CREDIT HOURS: 3

An introduction to the critical reading of a selection of literary texts (various genres and periods) with an emphasis on Québec literature. The close analysis of short texts will lead to discussions of the broader nature of recurring images and myths as well as central themes. Strongly recommended for French majors and Honours students. Approved with Canadian Studies. Without French 2201 and 2202, this class is not a sufficient prerequisite for 4000-level literature classes.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2045X/Y.06

CROSS-LISTING: CANA 3203.03

EXCLUSIONS: FREN 2203.03 CANA 2203.03

FREN 3225 L'épistolaire/Letter Writing in French Literature

CREDIT HOURS: 3

Letter writing as a literary genre: correspondences and epistolary novels. The theoretical part deals with the birth of the epistolary novel, the various letter writing styles and types of letters. It explores the borders between letter writing and diary as well as the interaction between public and private spheres. Texts studied are epistolary novels and correspondences from the 18th century (beginning of the separation between private and public spheres), as well as extracts from 17th and 19th centuries correspondences.

FORMAT: Lecture| Seminar

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3250 Écrivaines françaises/French Women writers

CREDIT HOURS: 3

This course will explore the condition of women as expressed in a selection of texts by French women writers. The choice of writers may vary from year to year, and the course may be organized around a theme or a particular time period. Students taking this course as a Gender and Women's Studies course may write their essays and exams in English.

FORMAT: Lecture| Discussion

PREREQUISITE: Recommended: FREN 2201.03/FREN 2202.03

CROSS-LISTING: GWST 3250.03

FREN 3260 Contes et légendes du monde francophone/Tales and Legends of the Francophone World

CREDIT HOURS: 3

Students in this course will become acquainted with a variety of French folk tales, fairy tales, legends, and "literary" short stories. Distinguishing between these sub-genres will be part of the focus of the course. The stories themselves will be drawn from a variety of periods and areas of the French-speaking world. They may include, among other sources of stories, fairy tales published by Perrault and by women writers of the 17th century, folk tales of the oral tradition collected in various parts of the francophone world, short stories by such modern writers as Balzac, Sand, Flaubert, Maupassant, Diop, Tournier, to mention only a few possibilities. In addition to exams and traditional assignments requiring analysis, students will explore the oral tradition by learning to tell stories orally. Students will also write original stories and work on editing them and "publishing" them within the course.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3300 La littérature médiévale/ Medieval French Literature

CREDIT HOURS: 3

Textual analyses of selected works representing the major literary genres (epic, romance, theatre, poetry) from the *chansons de geste* to François Villon (most texts in modern French translations). The discussion of the origins and the development of a national French literature provides an introduction to critical approaches to literary texts.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3400 La littérature du seizième siècle/16th Century French Literature

CREDIT HOURS: 3

This course explores the awakening, flourishing and decline of the Renaissance period in literature and language through the works of Marot, Rabelais, Du Bellay, Ronsard, Montaigne and the poets of the baroque. The 16th century's concern with the French language provides a solid introduction to the study of the development of modern French.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3500 La littérature du dix-septième siècle/17th Century French Literature

CREDIT HOURS: 3

This course offers an introduction to seventeenth century French literature with a primary focus on representative works by three major dramatists: Corneille, Molière and Racine. It explores their vision of humanity and the world and assesses their contribution to French literature and the history of ideas.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3600 La littérature du dix-huitième siècle/18th Century French Literature

CREDIT HOURS: 3

An introduction to the literature of the 18th century which includes works by such authors as Voltaire, Rousseau, Diderot and Marivaux. Each year the readings and class discussions will be centred on a different theme (for example: the hero, women, love, wealth and power).

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/2202.03

FREN 3700 La littérature du dix-neuvième siècle/19th Century French Literature

CREDIT HOURS: 3

An introduction to the main literary movements of the 19th Century: Romanticism, Realism, Symbolism. Focus is on representative authors and/or texts belonging to one or more of these trends.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3730 La bande dessinée franco-belge - The Franco-Belgian Comic Strip

CREDIT HOURS: 3

This course offers an analysis of the development of Franco-Belgian comics (bandes dessinées) from the post-war period to the present time, focusing on a number of major authors, magazines and publishers. Several theoretical approaches will be used including semiotics, sociocriticism and cultural studies.

FORMAT: Lecture| Seminar

PREREQUISITE: FREN 2201.03, FREN 2202.03

FREN 3750 Littérature industrielle, roman populaire et roman de consommation/Popular Literature and the Rise of Mass Culture

CREDIT HOURS: 3

The second half of the XIXth century witnesses the development and increasing popularization of the novel as the pre-eminent form of literary expression, concurrently with a dramatic increase and diversification of the reading public. This course will explore the evolution of the novel during this period, with a particular emphasis on the appearance of serialized novels in magazines and newspapers (le feuilleton) and on the development of "genre" fiction and the concept of "popular" literature.

Books or excerpts from several representative writers of the time (Alexandre Dumas père, Eugène Sue, Balzac, Frédéric Soulié, Paul Féval, Jules Verne) will be analysed and discussed, in the light of theoretical works on the development of modern mass culture (Umberto Eco, René Guise, Daniel Couégnas, Lise Queffélec).

FORMAT: Lecture| Seminar

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3800 Théâtre et poésie du vingtième siècle/ French Theatre and Poetry of the 20th Century

CREDIT HOURS: 3

This course offers study of modern poetry from Dada and Surrealism to the work of contemporary poets such as Yves Bonnefoy, Jacques Dupin and Michel Deguy; and of modern theatre from Jarry to Beckett, Ionesco and beyond.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3810 Prose et théorie littéraire du 20e siècle/ 20th Century Prose and Literary Theory

CREDIT HOURS: 3

Analysis of a broad selection of short prose by major novelists of the 20th century from Gide, Proust and Aragon, but with emphasis upon the more recent work of Beckett, Sarraute, Simon, Duras, Le Clézio and Cixous. Parallel discussion will be centred upon the literary theory of critics such as Bachelard, Poulet, Starobinski, Barthes and Derrida.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

FREN 3811 Introduction à la littérature francophone de l'Afrique subsaharienne et des Caraïbes/Introduction to African and Caribbean Francophone Literature

CREDIT HOURS: 3

This course focuses on the evolution of African and Caribbean literature from its origins to the present day. It prepares students for upper level courses in African and Caribbean literature, for example FREN 4811 (Francophone Poetry).

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201/2202 or permission of instructor

FREN 3900 FREN 390103: La littérature canadienne-française/French-Canadian Literature

CREDIT HOURS: 3

In-depth study of a few major works of French-Canadian literature with emphasis on the period from 1945 to the present day. Approved with Canadian Studies.

FORMAT: Lecture| Discussion
PREREQUISITE: FREN 2201.03/FREN 2202.03
CROSS-LISTING: CANA 3900.03/CANA 3901.03

FREN 3910 Études acadiennes/Acadian Studies

CREDIT HOURS: 3

Critical investigation into the historical, socio-cultural, linguistic and literary significance of past and present Acadian writing. Approved with Canadian Studies.

FORMAT: Lecture| Discussion

PREREQUISITE: FREN 2201.03/FREN 2202.03

CROSS-LISTING: CANA 3910.03

FREN 3994 Independent Study

CREDIT HOURS: 3

This course is normally given in preparation for students studying abroad in the Winter term.

FREN 4001 Histoire du français - Moyen Âge/History of French - The Middle Ages

CREDIT HOURS: 3

Advanced research into selected topics in Old and Middle French - manuscript studies such as paleography, historical phonetics, morphology and syntax, and the cultural-literary context of linguistic development.

FORMAT: Seminar

PREREQUISITE: 3000-level French course

FREN 4002 Histoire du français - époque moderne/History of French - The Modern Period

CREDIT HOURS: 3

Advanced research into selected topics - the emergence of a national language, the problem of orthography, usage and the development of normative grammars, the evolution of vocabulary, epochal phenomena (Rhétoriqueurs, the Baroque, Préciosité, the Revolution, scientific French, argot), etc.

FORMAT: Seminar

PREREQUISITE: 3000-level French course

FREN 4011 Lexicologie/Lexicology

CREDIT HOURS: 3

How can French vocabulary be studied and structured? What is its formation (derivation, composition, metaphor, borrowing, abbreviation, etc.), its meaning, its development? Class reports, discussions and lexical assignments are important components of this course.

FORMAT: Seminar

PREREQUISITE: FREN 3020.06 or FREN 2020.03 and FREN 3021.03 or FREN 3022.03, or instructor's permission

FREN 4013 Pragmatique/Pragmatics

CREDIT HOURS: 3

Introduction to the study of linguistic pragmatics: definitions, principles and methods. Analysis of the conditions of language use, with particular emphasis on the description of speech acts. Elements of literary pragmatics. Application exercises.

FORMAT: Lecture

PREREQUISITE: FREN 3020.06 or FREN 2020.03 and FREN 3021.03 or FREN 3022.03, or instructor's permission

FREN 4014 Langue et société/ Language and Society

CREDIT HOURS: 3

A linguistic introduction to the analysis of the relationship between language and society. Typology of sociolinguistic situations. The phenomena of language contact, linguistic variation, norms. The relationship between groups in multi-lingual situations. Principal theoretical tendencies. Practical applications.

FORMAT: Lecture

PREREQUISITE: FREN 2020.03 or instructor's permission

FREN 4016X/Y Introduction to Applied Linguistics and Language Teaching

CREDIT HOURS: 6

Taught in English, this course provides students with a theoretical and practical introduction to issues in language teaching. It includes a survey of language teaching methods which focuses both on their theoretical underpinnings and their methodology. It will include some classic methods as Grammar-Translation as well as some fascinating but lesser known methods (Audio-lingual method, Silent Way, Suggestopedia, Community Language Learning). Significant class time will be devoted to current trends and conflicting views (for example, various definitions of "communicative" approach, the proficiency movement). Class time will be devoted not only to learning about these approaches, but to experiencing them via peer micro-teaching. N.B. This course is open to senior students (or graduate students) in all language departments. French majors or honours students may not count this course towards the minimum number of credits required for their French degree, but may take it as a supplementary elective course.

NOTES: All students enrolled in the course must do a practicum of two hours per week. Normally, this will be done as volunteer tutoring for Dalhousie ESL students.

FORMAT: Lecture

CROSS-LISTING: ENGL 3916.06

FREN 4017 Traduction générale/General Translation

CREDIT HOURS: 3

This course normally follows FREN 3045. Students taking this course will be familiarized with essential notions of translation theory, and will be introduced to professional translation practice. Emphasis will be placed on the translation of relatively short texts in a wide variety of subjects and fields, from English into French and from French into English. Assessment will be carried out through weekly assignments, as well as in-class exams.

FORMAT: Lecture

PREREQUISITE: FREN 3045.06 or instructor's permission

EXCLUSIONS: FREN 4015.06

FREN 4018 Outils et ressources électroniques d'aide à la rédaction, la traduction et la révision en français/Electronic tools and resources for French

CREDIT HOURS: 3

The aim of this course is to provide the student with a wide range of electronic tools and resources useful to text writing, translation and editing activities in French. The student will learn how to use these electronic tools and resources, and in particular, some of the techniques associated with them. Tools demonstrated will include grammar checkers, machine (aided) translators, concordancers and speech synthesizers/recognizers. Resources presented will consist of on-line terminology banks, dictionaries, thesauri and grammars, etc.

FORMAT: Lecture| Lab

PREREQUISITE: FREN 3045X/Y.06 or equivalent or instructor's permission

FREN 4046 Composition avancée/Advanced Composition

CREDIT HOURS: 3

This course normally follows FREN 3045. Students in this course will hone their writing skills by learning principles of good writing and putting them into practice via writing, editing and revising texts of various kinds. They will learn the conventions that characterize good academic writing in French. They will also create some professional documents, including a French curriculum vitae and job application letter. Students may also do some less formal writing, including descriptions or narratives.

FORMAT: Lecture

PREREQUISITE: FREN 3045.06 or instructor's permission

EXCLUSIONS: FREN 4045.06

FREN 4300 Le roman courtois/Courtly Novels

CREDIT HOURS: 3

A close literary analysis of medieval French Arthurian romances. Texts in bilingual (Old French/French) editions.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course

FREN 4301 La poésie courtoise/Courtly Poetry

CREDIT HOURS: 3

A stylistic and socio-cultural study of French courtly love poetry from the 9th to the 15th centuries. Early texts in modern French translations.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4401 La pensée philosophique, politique et morale de la renaissance/Philosophical, Political and Moral Thought of the Renaissance

CREDIT HOURS: 3

An in-depth study of major currents of Renaissance thought: humanism, scientific awakening, the beginning of 'littérature engagée,' and the emergence of the moralists and philosophes.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4500 L'aventure intellectuelle du Grand Siècle/The Intellectual Adventure of 17th-Century France

CREDIT HOURS: 3

This course examines, at an advanced level, a major writer, movement, genre or theme in 17th-century French literature. As the focus of the course may vary frequently, please consult the professor for detailed information on the topic and format.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4550 La femme de lettres au Grand Siècle/ Literary Women of French Classicism

CREDIT HOURS: 3

In this course, we will explore: aspects of the intellectual and social context particularly relevant to a study of literary women in seventeenth-century France (for example: social structures and norms, la préciosité, the salons, the libertinage of Ninon de Lanclos, women's contributions as patrons of the arts); a representative selection of works, from several literary genres, written by seventeenth-century women (for example: novels by Mme de La Fayette and/or Mlle de Scudéry, Mme de Sévigné's letters, Mme d'Aulnoy's contes, Mme de Sablé's maxims); examples of literature written by men which counters the ambient misogyny of the period (for example: Molière's L'École des femmes and La Bruyère's Caractères).

FORMAT: Lecture

PREREQUISITE: 3000-level French literature course or instructor's permission

CROSS-LISTING: GWST 4550.03

FREN 4600 Le siècle des lumières: forme et philosophie/The Enlightenment: Form and Philosophy

CREDIT HOURS: 3

An in-depth study of the French Enlightenment which treats some of the longer works by major authors and introduces the student to secondary authors whose works are also of significant literary, philosophical or historical value. The study is unified by an examination of recurring philosophical ideas and literary themes important to understanding the development of new genres and styles. Please consult the professor for information on the theme treated and the works to be studied in any given semester.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4700 La révolution romantique/The Romantic Revolution

CREDIT HOURS: 3

Romanticism is viewed primarily as a rebellious and creative force which greatly contributed to the reshaping of traditional society. The origins, main themes and trends of the movement are studied with an attempt to show Romanticism as a European movement, the impact of which was felt in fields beyond the boundaries of literature. Classes are conducted as seminars. The choice of texts depends largely on the students' previous experience: they include works by Mme de Staël, Chateaubriand,

Lamartine, Hugo, Vigny, G. Sand and others.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4701 Le roman du dix-neuvième siècle/ The Nineteenth-Century Novel

CREDIT HOURS: 3

Intensive study of the work of a major novelist of the 19th century: e.g. Stendhal, Flaubert, Balzac, Zola, Sand; a study of his/her place in the development of the novel and of his/her contribution to the genre.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4710 Du symbolisme au surréalisme/ From Symbolism to Surrealism

CREDIT HOURS: 3

Analysis of the evolution of French literature from the various symbolist manners of Verlaine, Rimbaud, Mallarmé, Lautréamont and Laforgue, through the period of Jarry and Dada, to the aspirations and paradoxes of Surrealism viewed, principally, through the work of Breton, Eluard, Aragon and Desnos.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4801 Le Nouveau Roman/Anti-novels of the 20th Century

CREDIT HOURS: 3

In this course we are mainly interested in fictional techniques: how the author creates his illusion. Each of the works selected for detailed study is important due to the author's rejection of conventional ideas regarding the form of the novel.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4811 La poésie francophone de Perse et Char à Senghor et Césaire/Francophone Poetry from Perse and Char to Senghor and Césaire

CREDIT HOURS: 3

Discussion of the works of five or six major francophone poets of the modern period, chosen from: Perse, Reverdy, Claudel, Char, Frénaud, Senghor, Tchicaya, Césaire, Glissant, Miron and others.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4902 Écrivains québécois contemporains/Contemporary Québec Writers

CREDIT HOURS: 3

In depth study of one or more contemporary Québec writers. Approved with Canadian Studies.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature course or instructor's permission.

FREN 4903 Contemporary Quebec Writers

CREDIT HOURS: 3

FREN 4904 Écrivaines québécoises/ Québec Women Writers

CREDIT HOURS: 3

This course will explore the condition of women as revealed in texts by Québec women writers. In any given year different writers and time periods will be covered, and a variety of genres may be included. Approved with Canadian Studies.

FORMAT: Lecture| Discussion

PREREQUISITE: 3000-level French literature course, preferably French Canadian, or instructor's permission.

CROSS-LISTING: GWST 4250.03

FREN 4933 Séminaire “de spécialisation”/Honours Seminar, Honours Essay

CREDIT HOURS: 0

The honours seminar is a compulsory preliminary to the honours essay or oral presentation and is given as a fall term course for honours students in their graduating year writing their Honours Essay in French. The seminar prepares students to write the honours essay, beginning with a detailed outline of the work. It provides instruction, advice, and guidance on all the essential steps for producing the honours essay, from selecting and researching a topic, through planning and drafting the text, to matters of form and style. Students continue the work begun in the seminar by working individually with a supervisor during the winter term.

FORMAT: Seminar

PREREQUISITE: Only open to students in graduating year of French Honours program.

FREN 4994 FREN 4995, FREN 4996, FREN 4997, FREN 4998, FREN 4999: Recherches indépendantes/Independent Research

CREDIT HOURS: 3

May only be taken with the approval of the Chair or the Undergraduate Advisor.

FORMAT: Seminar

PREREQUISITE: 3000-level French literature or linguistics course

Gender and Women's Studies

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue
Street Address 2: Room 3060
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-3679
Fax: (902) 494-2719
Website: www.dal.ca/gwst
Email Address: gwst@dal.ca

Introduction

Gender and Women's Studies is a dynamic and rapidly expanding interdisciplinary area of study. An alternative to the traditional curriculum, Gender and Women's Studies provides students with the opportunity to examine history, social structures, the sciences, language, literature, and culture from critical and illuminating perspectives.

At Dalhousie, students can currently enter the following programs in Gender and Women's Studies: a Minor, a Major, a Double Major, or a Combined Honours program. These programs include courses in the disciplines of Economics, English, History, Music, Philosophy, Political Science, Sociology and Social Anthropology, and Theatre, and in interdisciplinary and professional fields, including Contemporary Studies, International Development, Law, and Nursing.

Students in the Dalhousie Gender and Women's Studies programs develop a critical understanding of gender as a category of analysis in scholarly enquiry, social dynamics, cultural expression, and belief systems. They also investigate the ways in which gender intersects with other variables such as race, class, and cultural difference. They study women's contributions to civilization in many fields of knowledge, and examine the social and ideological forces that have made these contributions "invisible" in the past. Through exposure to a large and growing body of research in a number of disciplines and fields, Gender and Women's Studies Majors gain a grounding in the methodologies and concepts shaping the organization and dissemination of knowledge.

Our courses also provide students with opportunities of uniting theory with social and cultural practice, addressing contemporary issues that individuals and institutions are grappling within today's changing world order. They provide a context in which women can find strength and insight through exchanging experiences and ideas with other women, and a context in which women and men together can further human understanding and equality through exploring and respecting differences.

Do men take Gender and Women's Studies courses? Yes. Gender has operated as a fundamental category in the organization of knowledge, social systems, forms of representation and modes of production and consumption. The critical examination of gender is relevant to both men and women.

Degree Programs

Gender and Women's Studies programs provide preparation for careers in a variety of fields, as well as for professional schools or graduate programs. For example, graduates can work as consultants, policy analysts, and officers in government and para-governmental organizations, in business and industry, and in educational institutions. The fields they enter include employment equity, public administration, international development, health care, work place conditions, personnel relations, publishing and editorial work, and public relations.

For students interested in a preparatory degree, Gender and Women's Studies programs provide appropriate preparation for professional schools and programs in the fields of education, social work, counselling, journalism, the health professions, and certain areas of law. They also provide suitable preparation for graduate programs in Women's Studies, Gender Studies, Interdisciplinary Studies, Cultural Studies, and studies in Social Justice. Students interested in proceeding to graduate work should enter a four-year degree program.

Students may enter Gender and Women's Studies programs in the first, second, or third year of study. In many cases, students in second or third years may already have acquired some Gender and Women's Studies credits through taking courses in the traditional disciplines or in other interdisciplinary programs that are cross-listed with Gender and Women's Studies core courses.

Students can currently enter four programs in Gender and Women's Studies: a BA with Combined Honours, a 120 credit hour BA with Major in Gender and Women's Studies, a 120 credit hour BA with Double Major in Gender and Women's Studies with a traditional discipline or with another interdisciplinary program such as International Development Studies, Sustainability, Canadian Studies, or Contemporary Studies; and a 90 credit hour BA with Minor in Gender and Women's Studies.

NOTE: In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Coordinator

Denike, M. (m.denike@dal.ca)

Professor Emerita

Sherwin, S. B., BA (York), PhD (Stanford), FRSC

Faculty

Akbulut-Yuksel, M. (Economics)
Bain, J. (Music)
Barker, R. (Theatre)
Baur, S. (Music)
Borgerson, K. (Philosophy)
Brown, C. (School of Social Work)
Brown, M. (School of Social Work)
Brownlee, S. (Theatre)
Carbert, L. (Political Science)
Cooper, A. (Sociology and Social Anthropology)
Dieleman, S. (Philosophy)
Denike, M. (Political Science)
Edwards, E. (Contemporary Studies)
Fitting, E. (Sociology and Social Anthropology)
Foster, K. (Sociology and Social Anthropology)
Gahagan, J. (Health and Human Performance)
Gambold, L. (Sociology and Social Anthropology)
Gardiner Barber, J. P. (Sociology and Social Anthropology)
Ginn, D. (Law)
Glowacka, D. (Contemporary Studies)
Holmlund, M. (History)
Jackson, L. (Health and Human Performance)
Kesselring, K. (History)
Luckyj, C. (English)
Martin, F. (Sociology and Social Anthropology)
McCallum, T. (History)
Meynell, L. (Philosophy)
Morris, K. (Early Modern Studies)
Numer, M. (Health and Human Performance)
Richard, B. (School of Social Work)
Stone, M. (English)
Tillotson, S. (History)
Ulicki, T. (International Development Studies)
Warwick, J. (Music)
Whelan, E. (Sociology and Social Anthropology)

BA (120 credit hour) Major in Gender and Women's Studies

Four year, 120 credit hour program

This program provides a more comprehensive grounding in Gender and Women's Studies than the BA (90 credit hours) minor in Gender and Women's Studies. Students interested in applying to graduate programs should enter a four year degree program.

Departmental Requirements

- At least 36 and no more than 54 credit hours beyond the 1000 level in Gender and Women's Studies of which at least 18 must be beyond the 2000 level
- At least three different disciplines shall be represented in a student's selection of cross-listed Gender and Women's Studies courses

BA (120 credit hour) Double Major

Four year, 120 credit hours program

Students can combine Gender and Women's Studies courses with courses either in a traditional discipline or with another interdisciplinary program such as International Development Studies, Canadian Studies, or Contemporary Studies.

Departmental Requirements

- At least 60 and no more than 84 credit hours beyond the 1000 level in two allied subjects, one of which is Gender and Women's Studies, with no more than 48 and no fewer than 30 credit hours in either
- At least 12 credit hours in each of the two subjects chosen shall be beyond the 2000 level
- At least three different disciplines shall be represented in a student's selection of cross-listed Gender and Women's Studies courses.

BA with Combined Honours

Four year, 120 credit hours program

Students can enter a BA with Combined Honours program in Gender and Women's Studies and a range of other subjects including Biology, Classics, Contemporary Studies, English, Environment, French, History, International Development Studies, Philosophy, Political Science, Psychology, Sociology, Social Anthropology, Sustainability, and Theatre. Students interested in any of these combinations or any other that involves Gender and Women's Studies and another subject should consult with the Departments concerned.

General Degree Requirements

Please read the detailed description of BA with Combined Honours Program in the Degree Requirements section of this calendar. A minimum of 66 and maximum of 84 credit hours is required in the honours subjects beyond the 1000 level, with no fewer than 30 and no more than 48 credit hours in each subject.

PLEASE NOTE: Where a course selected from the Gender and Women's Studies "list" in the BA with Combined Honours program is cross-listed with a course in the allied subject, the course may not be double counted (ie. it may be counted on one or other list, but not on both). Where a course selected for the Gender and Women's Studies "list" in the BA with Combined Honours program is cross-listed with a course in the allied subject, this should not result in a student exceeding the maximum allowed in either of the allied subjects and may be counted for one subject or the other.

Departmental Requirements

In addition to meeting the Degree Requirements set out by the Faculty, Gender and Women's Studies students must meet the following requirements:

1. At least three Gender and Women's Studies courses must be taken beyond the 2000 level.
2. At least three different disciplines must be represented in a student's selection of Gender and Women's Studies courses (in disciplines other than the allied subject).
3. The following courses are required:
 - a. At least six credit hours from the following: GWST 2066.03, GWST 2300.03, GWST 2301.03, GWST 2500.03, GWST 2800.06 (Normally this requirement should be met in the second year of the program.)
 - b. At least six credit hours 4000 level Gender and Women's Studies course, either Directed Readings, Special Topics, or cross-listed courses (Normally this requirement should be met in the fourth year of the program.)
 - c. To meet the Honours Examination requirement when Gender and Women's Studies is the major subject, students will prepare a research paper under the supervision of a Gender and Women's Studies faculty member and will take GWST 4900X/Y.03.

Minor in Gender and Women's Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Gender and Women's Studies is also available.

Requirements

- 18 credit hours to a maximum of 27 credit hours beyond the 1000 level in Gender and Women's Studies
- At least three different disciplines shall be represented in a student's selection of cross-listed Gender and Women's Studies courses

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

These courses are subject to change; consult the program office for offerings.

In addition to the courses listed, appropriate courses in other departments (for example, Special Topics courses on women and/or gender issues) may be taken as Gender and Women Studies credits, with the permission of the Instructor concerned and the Coordinator. Students may also select Gender and Women's Studies courses at Saint Mary's or Mount Saint Vincent Universities, subject to the rules and regulations of the College of Arts and Science at Dalhousie regarding transfer credits and in consultation with the Gender and Women's Studies Coordinator.

Courses Offered at Mount Saint Vincent University and Saint Mary's University

Courses offered within the Women's Studies programs at these universities are available to Gender and Women's Studies majors at Dalhousie. Courses offered are subject to change.

Please consult:

1. Women's Studies, Mount Saint Vincent (902) 457-6547; or
2. Women's Studies, Saint Mary's University (902) 420-5842.

These courses must be taken on a letter of permission (see the Dalhousie Gender and Women's Studies Program Coordinator).

Course Descriptions

GWST 1010 Introduction to Gender and Women's Studies

CREDIT HOURS: 3

Gender and Women's Studies is an interdisciplinary field aimed at developing a critical understanding of gender as a category of analysis in scholarly enquiry and social dynamics. Paying close attention to the experiences and perspectives of women, students have the opportunity to examine history, social structures, the sciences, language, literature, culture from the illuminating perspective of gender. In all these areas, Gender and Women's Studies investigates how gender intersects with other variables such as race, class, and cultural difference. This introductory course provides an overview of some of the central topics of Gender and Women's Studies, such as the sex/gender distinction, understanding sexualities, the social construction of motherhood, changing definitions of manliness and womanliness, and the place of sex and gender in the legal system.

FORMAT: Lecture| Discussion

GWST 1015 Gender and Diversity

CREDIT HOURS: 3

This course continues from "Introduction to Gender and Women's Studies" to focus particularly on the many ways that gender as a social system interacts with other systems of power and inequality. We all make sense of our lives through multiple identities that combine in shifting ways to define our opportunities for action and the limits we face. Identities based on gender, race, ethnicity, age, class, sexuality, disability, nation, or religion are blended in varied ways for individuals, but they are not just individual self-perceptions. They are also elements of larger social systems. Topics may include the multiple identities of the body; race, gender, and violence; diversity and work; contemporary transformations of the family; and gender and globalization.

FORMAT: Lecture| Discussion

GWST 2000 Directed Readings in Gender and Women's Studies

CREDIT HOURS: 3

Readings and research in Gender and Women's Studies on selected topics. In exceptional circumstances, and with the permission of both the Gender and Women's Studies Coordinator and the Instructor concerned, students may arrange to take appropriate courses for credit in Gender and Women's Studies that are not otherwise available as one term courses in Gender and Women's Studies. To find out how to register in one of these courses, please see <http://www.dal.ca/gwst>.

PREREQUISITE: Variable

GWST 2066 Women, Gender and Music

CREDIT HOURS: 3

This course explores the variety of ways in which gender shapes musical discourse. The role of gender in music will be examined through three broad topics: the history of female contributions to music as musicians, composers, patrons and listeners; musical constructions of gender, race, class and sexuality; and feminist criticism in recent musical discourse. No formal training in music is required.

FORMAT: Lecture| Discussion

CROSS-LISTING: MUSC 3066.03

GWST 2217 Women and the Economy

CREDIT HOURS: 3

This course will provide a broad and relatively non-technical analysis of women's economic experiences. For example, we will study questions such as: Are there feminists who are economists? Have economic conditions improved for women in Canada over the past 30 years? How do economic outcomes for women in Canada compare with those in other affluent countries? Is there a glass ceiling for women in the workplace? Is there gender discrimination in the Canadian labour market? Who does the unpaid work? What are the economic consequences of divorce? Are women more likely than men to be poor? Are there inequalities within families?

FORMAT: Lecture

PREREQUISITE: ECON 1101.03/1102.03 with a grade of C- or better

CROSS-LISTING: ECON 2217.03

GWST 2300 Making Gender: Women and Men, Sex and Gender in Pre-Modern Europe

CREDIT HOURS: 3

This course examines the diverse and fascinating ways western cultures have shaped what it meant to be a woman or a man. Beginning in the time of the Roman Empire and continuing to the age of the French Revolution, the course examines such topics as eunuchs, fasting saints, female 'popes', changing notions of the physical differences between the sexes, and early struggles for women's rights.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2614.03

GWST 2301 Making Gender: Male and Female from the American Revolution to the Present

CREDIT HOURS: 3

This course examines the diverse and fascinating ways western cultures have shaped the meanings of gender. The history of women informs us about the once little-known history of femininity. And, as a result, historical changes in definitions of masculinity become visible. The meanings of gender are explored in this course through topics such as: the doctrine of separate spheres, respectability, the family wage, the homosexual, imperialism, citizenship, welfare dependency, and infertility.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2615.03

GWST 2310 Women and Gender in Early Modern Science

CREDIT HOURS: 3

This course will explore the roles of women, and questions about women's nature, in the development of early modern science. The course will consider several interrelated aspects of scientific culture in the sixteenth, seventeenth, and eighteenth centuries: first, we will look at the place of women in the scientific institutions of the time. Although women were, for the most part, excluded from universities and scientific academies, some women were able to do scientific work through their participation in salons and craft guilds. The second part of the course will look at the contributions of some particular women to the fields of physics, astronomy, botany, and medicine. We will then examine how science interpreted sex and gender. We will pay special attention to the biological sciences and their treatments of sex differences, conception, and generation. We will consider how these biological theories were influenced by, and at the same time used to uphold, various political and social structures. Finally, the course will explore the ways in which gender and nature were portrayed in the broader cultural context. We will, for example, discuss the ways in which women were depicted as scientists and as symbols of science in art and literature.

CROSS-LISTING: EMSP 2310.03, HSTC 2310.03

GWST 2320 Witchcraft in Early Modern Europe

CREDIT HOURS: 3

The period of European history from 1500 to 1800 saw the rise of modern science and philosophy. It was also a period in which thousands of witch trials and executions were carried out. This course will seek to understand how these seemingly contradictory developments could have occurred simultaneously. The course will examine changing conceptions of the witch and witchcraft in their historical, intellectual, cultural, religious and political contexts. The course will pay special attention to early modern notions of gender and sexuality and their influence on the witch hunts and witch trials.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 2320.03, RELS 2420.03

GWST 2412 Human Sexuality

CREDIT HOURS: 3

This course is concerned with biological, cultural, ethical, historical, psychological, religious and semantic aspects of human sexuality. Four themes are threaded throughout the course - diversity in gender roles and in sexual attitudes, behaviours and customs; critical thinking; making responsible decisions; sexual health. The course is designed to support positive integration of sexuality into the lives of individuals and to foster the prevention of sexuality-related problems, at all stages of life.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: HPRO 4412.03

GWST 2500 Philosophical Issues of Feminism

CREDIT HOURS: 3

An exploration and examination of some of the concepts, issues, and arguments underlying feminist claims and perspectives. Such topics as pornography, rape, mothering, the nature of gender, and feminism's responses to racism will be considered.

FORMAT: Lecture| Discussion

CROSS-LISTING: PHIL 2160.03

GWST 2800X/Y Comparative Perspectives on Gender

CREDIT HOURS: 6

This course examines gender in a global perspective. Drawing upon historical and current anthropological and sociological theory the course provides a theoretically based understanding of how gender differences are culturally produced, as well as socially, economically, politically, and spatially organized. The course begins by examining the extent to which gender experiences in society are taken for granted, perceived to be based in nature rather than culture. Topics in the first half of the course include evolutionary and materialist perspectives, feminism, and equality, the domestic sphere and the division of labour, masculinities, sexuality and the state. Readings are broad and include ethnographic accounts of the various ways that gender is experienced around the world. The second half of the course examines power relations and political discourse, work and parenthood, the politics of reproduction, gender and violence, development and the global economy, and gender and belief systems. By examining some of the contemporary struggles of both women and men cross-culturally, the course is designed to help students understand the undeniable breadth of gendered experiences and issues therein.

NOTES: Students taking this class must register in X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06, 1200X/Y.06; or Gender and Women's Studies class

CROSS-LISTING: SOSA 2190X/Y.06

GWST 2900 Introduction to the History of Art and Visual Culture

CREDIT HOURS: 3

Why have all human beings, at all times and in all places made pictures? This course will explore broad themes in global art production, such as sex, death, religion, race, knowledge, power and entertainment. Students will be encouraged to consider cross-cultural perspectives and trans-historical connections in their study of visual culture. They will also be introduced to the fundamentals of traditional art history through the chronology of western art production and stylistic movements. Students will develop the skills to describe, analyze and think critically about the visually saturated world in which they live.

CROSS-LISTING: HIST 2900.03

GWST 3000 Directed Readings in Gender and Women's Studies

CREDIT HOURS: 3

Readings and research in Gender and Women's Studies on selected topics. Students may take appropriate courses in other Departments under these numbers, with the permission of the instructor and the Gender and Women's Studies Coordinator, or they may construct their own reading list and research project in consultation with an appropriate faculty member and the Coordinator. To find out how to register in one of these courses, please see <http://www.dal.ca/gwst>

NOTE: Course Details listed here also apply to GWST 3001/GWST 3002

NOTES: Students taking GWST 3002X/Y.06 must register in X and Y in consecutive terms; credit will be given only if both are completed consecutively.

GWST 3001 Directed Readings

CREDIT HOURS: 3

See GWST 3000.

PREREQUISITE: Any previous class in GWST, or permission of the instructor.

GWST 3002X/Y Directed Readings

CREDIT HOURS: 6

See GWST 3000.

GWST 3006 Comparative Perspectives on Gender and Work

CREDIT HOURS: 3

This course will use comparative perspectives to explore a range of topics relating to the gendering of work: wage-work, household-based labour, the informal sector, masculinity and femininity in the work place, occupational segregation, employment policies directed at changing the status quo (such as affirmative action, pay equity), and unionization. The context will be the changing global political economy and its consequences for the strategies of different groups (such as nation states, but also trade unions, feminist groups and employer groups).

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: SOSA 3006.03

EXCLUSIONS: SOSA 2140.03, SOSA 2141.03

GWST 3050 Contemporary Women Poets

CREDIT HOURS: 3

Reading women's poetry in local and global contexts, this course will address the emergent practices of contemporary poetics in Canada and the United States. The majority of our readings will consist of book-length works of poetry—that is, longer texts that transgress the limits of the lyric and collections of shorter poems linked by various formal, narrative, and thematic continuities. These texts represent some of the key innovations and formations of women's poetries and poetics from the end of the twentieth to the beginning of the twenty-first centuries.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000.06

CROSS-LISTING: ENGL 3250.03

GWST 3150 Sociology and Anthropology of the Body

CREDIT HOURS: 3

This course will consist of a micro-sociological examination of the human body as a socio-cultural construction. Topics include: bodily self image, cultural definitions of physical attractiveness, stigmatization, proxemic behaviour, non-verbal communications, body hygiene and pollution taboos, and cultural aspects of human reproduction and sexuality. Special attention will be paid to class, gender and ethnicity and their relationship to body politics.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06
CROSS-LISTING: SOSA 3150

GWST 3168 Issues in Latin American Society

CREDIT HOURS: 3

This course introduces students to case studies on contemporary Latin America. The goal of the course is to familiarize students with key social and cultural issues in the region. The focus of the course will change from year to year, and may include a particular country or region, or a theme or topic. Students should contact the Gender and Women's Studies department/co-ordinator for details on the specific theme of the course in a given year. This course will only be offered as a Gender and Women's Studies course in years when the topic is gender-related.

FORMAT: Lecture

CROSS-LISTING: SOSA 3168.03

GWST 3215 Feminism and Science

CREDIT HOURS: 3

Science has been the subject of intense scrutiny by contemporary feminist theorists. The course will examine the various feminist critiques of natural science, as well as the positive proposals that feminism has brought to science and scientific culture. Questions that will be addressed include: Is the style of science gendered? Has feminism influenced the content of various sciences? How has science contributed to gendered constructions of nature? Is there such a thing as value-free scientific research? How do feminist theories of knowledge differ from traditional understandings of scientific knowledge and scientific objectivity? The readings for this course will include work by Donna Haraway, Sandra Harding, Evelyn Fox Keller, Helen Longino, and Hilary Rose.

FORMAT: Seminar

PREREQUISITE: Second year and above.

CROSS-LISTING: CTMP 3215.03, HSTC 3411.03

GWST 3250 Écrivaines françaises/French Women writers

CREDIT HOURS: 3

This course will explore the condition of women as expressed in a selection of texts by French women writers. The choice of writers may vary from year to year, and the course may be organized around a theme or a particular time period. Students taking this course as a Gender and Women's Studies course may write their essays and exams in English.

FORMAT: Lecture| Discussion

PREREQUISITE: Recommended: FREN 2201.03/FREN 2202.03

CROSS-LISTING: FREN 3250.03

GWST 3300 Family and Community in North America 1600-1900

CREDIT HOURS: 3

The family in North American society from, when the family was a model for social relations to the time when it was idealized as a private refuge. Among the topics considered are the role of the family in rural and urban communities; the demographic transition from high fertility and mortality; the reduction of the family's economic and educational autonomy; the role of ideology in shaping sex roles and child rearing; and the relations of family and community according to ethnic group, class and economic setting. RECOMMENDED: A course in the Sociology or Social Anthropology of the family.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3350.03

GWST 3303 De-Colonizing Modernism: Critiquing the Legacy of Modern Art

CREDIT HOURS: 3

What is Modernism? Modern Art? Our answers to these questions reflect our attitudes towards art and the role of the artist in society. This course gives students a foundation in the western visual culture of the 20th century. It will equip them to research and write about art and critique the omissions and biases of art history. Through this process they will better understand how the Western art production of the past 150 years affects the visual culture they experience daily.

FORMAT: Lecture

CROSS-LISTING: HIST 3303.03

GWST 3304 Through her Eyes: Women and the Documentary Tradition

CREDIT HOURS: 3

This course will explore the rarely examined historical and contemporary involvement of women in the field of documentary filmmaking. Women documentary makers have produced extensive bodies of engaging work that challenge many societal assumptions about gender, class, race, the function of political power, sexuality and peace-war. They have worked at every level within the process: as directors, cinematographers, editors, sound recordists, producers, writers and fund-raisers. A variety of documentaries made by women from diverse backgrounds will be screened and analyzed along with a close reading of selected critical texts. Students will identify the similarities and differences in subjects, themes, style, aesthetics, and approached to creation, production and distribution.

FORMAT: Seminar

CROSS-LISTING: CTMP 3304.03

GWST 3305 Women in North America

CREDIT HOURS: 3

CROSS-LISTING: HIST 3610

GWST 3331 Film Theory II: Desire in Cinema

CREDIT HOURS: 3

This course focuses on theories of gender, sexuality and desire in the cinema. It addresses debates around the representation of gender, sexuality and desire on screen, as well as theorizations of spectatorial desire.

FORMAT: Lecture| Discussion

PREREQUISITE: One of the Film Studies courses (or other exposure to the discipline)
CROSS-LISTING: THEA 3331.03

GWST 3350 Rewriting Gender

CREDIT HOURS: 3

Against a widespread view that postmodernism is inimical to feminism, the readings in this course demonstrate that recent literature by women, both fiction and critical theory, has widely adopted postmodern strategies in order to advance feminist views. The postmodern canon has allowed female authors to question the way in which woman's subjectivity has always been constructed through male-oriented processes of signification. The works of fiction covered in this course, by Kathy Acker, Angela Carter, Marianna Hauser, Octavia Butler, and others, exemplify aesthetic subversions of phallogentric discourses. Literary texts will be supplemented with theoretical works by leading feminist/post-structuralist thinkers such as Judith Butler, Drucilla Cornell, Diane Elam, and Gayatri Spivak. The course includes video-taped material and slide-shows of postmodern feminist art.

FORMAT: Seminar

CROSS-LISTING: CTMP 3350.03

GWST 3358 Slavery, Gender, and Power: Women in Nineteenth Century America

CREDIT HOURS: 3

This course studies the tangled histories of slavery and gender in nineteenth century America. Principal topics include the lives of female slaves, the cult of domesticity, the rise of early feminism, the role of women in the destruction of slavery, and the tension between gender and race.

FORMAT: Seminar

CROSS-LISTING: HIST 3358.03

GWST 3426 Sex and the State

CREDIT HOURS: 3

This course will consider the role of the state and other institutions in the social, moral and legal production and regulation of sex and gender, particularly in Western countries. It will begin with a brief historical overview of the role of religious prescriptions in the social and legal regulation of sex, and in the refinement of laws and policies that have been implicated in sex-and gender-based discrimination. We will also address a range of contemporary topics such as the decriminalization of homosexuality; hate crimes against sexual minorities; the politics of relationship recognition; state response to HIV/AIDS; gender-related refugee claims; and developments in the regulation of reproductive technologies.

FORMAT: Seminar

PREREQUISITE: POLI 1010, 1015, 1030, 1035, 1050, 1055, 1100, 1103, 2210, 2230 2350, 2410, 2420, 2430, 2440, 2450, or permission from the instructor

CROSS-LISTING: POLI 3426.03

GWST 3500 Contemporary Feminist Theories

CREDIT HOURS: 3

Contemporary feminism is not a single theory but comprises multiple theoretical perspectives, reflecting both a diversity in women's experience of subordination and a diversity of interests and approaches. This course aims to present some of the richness and variety in feminist theory while offering students the opportunity for sustained critical engagement with influential feminist thinkers.

FORMAT: Seminar

PREREQUISITE: At least two previous classes in Gender and Women's Studies, or at least two previous classes in Philosophy, or permission of the instructor.

CROSS-LISTING: PHIL 3170.03, PHIL 5170.03, GWST 5170.03

GWST 3600 Sexualization of Western Political Thought

CREDIT HOURS: 3

Representations of women and constructs of femininity are a significant part of mainstream western political thought. This course explores these topics in the work of leading western philosophers, such as Aristotle, Aquinas, Hobbes, Locke and Rousseau, with attention to understanding the relation of ideas of sexual difference to general systems of thought. The course also considers how conceptions of gender difference and equality shape contemporary political, legal and philosophical discourses and practices, including in feminist critical theory and international human rights scholarship and activism. We will consider the arguments and strategies used by men and women in the past century to address systemic discrimination and advance gender equality.

FORMAT: Seminar

PREREQUISITE: POLI 1010, 1015, 1030, 1035, 1050, 1055, 1100, 1103, GWST 1010, 1015, 2000, 2053, 2066, 2200, 2217, 2300, 2301, 2310, 2320, 2500, 2800, permission from the instructor.

CROSS-LISTING: POLI 3427.03

GWST 3800 Gender and Health

CREDIT HOURS: 3

This course aims to reflect upon and challenge our taken-for-granted assumptions about the gendered dimensions of health and healthcare. Rather than take the categories of 'women's health' and 'men's health' as its foundation, the course revolves around two main questions: (1) how does the field of health and healthcare define and enforce the very categories of 'women' and 'men'?; (2) how does gender, thus defined and enforced, affect the health, healthcare, and health work of those defined as men, women, or other? We will consider these questions by examining particular health topics that have a strongly gendered component, such as sexual health, reproductive health, and disability. Throughout the course, we will explore the theoretical perspectives used in the field; the two-sex model and challenges to it; the gendering of particular health problems and health professions; the medicalization of womanhood and, more recently, manhood; and the relationships between gender and other forms of social classification (e.g. race, class, sexual orientation).

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: SOSA 3145.03

GWST 3810 Women and Aging

CREDIT HOURS: 3

As women grow older the experience of aging is generally more difficult for them than for men. Somewhere in the forties, anxieties about the aging process exacerbate the difficulties facing women in modern society. Disempowering older women is usually accomplished in small increments. "Old woman" is a pejorative label; the older a woman becomes, the less credibility she generally has; this is especially true for women of color, poor women, lesbians, and women who are physically challenged. While aging is a biological phenomenon, ageism is socially constructed. Specifically, under patriarchy, older women are seen as a burden, desexualized and segregated by both men and younger women. They are usually not taken very seriously, nor seen as a threat. This course will explore the issues related to social,

psychological, political and economic factors that are major determinants to the well-being of aging women based upon race, gender, sexual orientation, disabilities and class inequities.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, or 2 credits in Women's Studies

CROSS-LISTING: SOSA 3245.03, NURS 4370/5850.03

GWST 3911 Gender in Theatre: A Cross-Cultural Survey

CREDIT HOURS: 3

This seminar course examines the roles gender has played in the shaping of world theatre alongside the roles the theatre has played in the shaping of various cultural conceptions of gender. By exploring plays and performances from Europe, North America, China, Japan, India, Iran and/or other traditions, we will strive to understand the ways in which various forms of representation reflect their cultures' governing images of masculinity and femininity. In the process, we will interrogate the historical and cultural variability of the notion of 'gender' itself. The main objective of the seminar will be to ask how gender determines performers' choices in various cultures, and to see how gender itself can actually be shaped by performance.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: None, although a background in Gender and Women's Studies, Theatre or Dramatic Literature will be an asset.

CROSS-LISTING: THEA 3911.03

GWST 3912 Gender Theory and Contemporary Performance

CREDIT HOURS: 3

This seminar course offers students an opportunity to encounter some of the most provocative and challenging gender theory of recent years in relation to contemporary theatre, film and performance art. Students will read considerations of the relationship between gender, performance and identity by such authors as Jacques Lacan, Michel Foucault, Hélène Cixous, Luce Irigaray, Julia Kristeva, Judith Butler, Peggy Phelan and Camille Paglia, among others. Alongside these works, we will examine contemporary performances, from the popular to the oppositional. Through this intertextual exploration of theory and performance, we will aim to expand our understanding of the ways in which gender roles are created, maintained, questioned and changed in contemporary culture(s).

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: THEA 3912.03

GWST 4000 Directed Readings in Gender and Women's Studies

CREDIT HOURS: 3

Advanced readings and research in Gender and Women's Studies on selected topics. Students may take appropriate courses in other Departments under these numbers, with the permission of the Instructor and the Gender and Women's Studies Coordinator, or they may construct their own reading list and research project in consultation with an appropriate faculty member, and the Coordinator. To find out how to register in one of these courses, please see

genderandwomenstudies.artsandsocialsciences.dal.ca/

NOTE: Course Details listed here also apply to GWST 4100/GSWT 4200.

NOTES: Students taking GWST 4200X/Y.06 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

PREREQUISITE: Variable

RESTRICTIONS: Restricted to senior students

GWST 4100 Directed Readings

CREDIT HOURS: 3

See GWST 4000.

GWST 4116 Contemporary Issues in Gender and Development

CREDIT HOURS: 3

The course critically examines how development processes affect women and men and gender relations. Many development projects and policies have had a negative impact on women. The course provides a theoretical and conceptual grounding in gender/women and/in development, explores the gendered impact of policies and processes and examines issues such as governance, HIV/AIDS, and conflict.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03

CROSS-LISTING: INTD 3116.03

GWST 4150 Special Topics in Gender and Women's Studies I

CREDIT HOURS: 3

In this seminar course, students will explore some of the current research on a focused topic in Gender and Women's Studies or gender theory. Topics may be drawn from such areas as queer theory, gender and embodiment, contemporary theory of sexuality, representations of gender, women and eating disorders, postcolonial feminist theory, and so on. The course will be directed to majors and honours students in Gender and Women's Studies, but will be open to qualified students from other disciplines.

FORMAT: Seminar

PREREQUISITE: One full credit in Gender and Women's Studies or permission of instructor

GWST 4151 Special Topics in Gender and Women's Studies 2

CREDIT HOURS: 3

In this seminar course, students will explore some of the current research on a focused topic in women's studies or gender theory. Topics may be drawing from such areas as queer theory, gender and embodiment, contemporary theory of sexuality, representations of gender, women and eating disorders, postcolonial feminist theory, and so on. The course will be directed to majors and honours students in Gender and Women's studies but will be open to qualified students from other disciplines.

FORMAT: Seminar

PREREQUISITE: One full credit in Gender and Women's Studies or permission of instructor

GWST 4200X/Y Directed Readings in Gender and Women's Studies

CREDIT HOURS: 6

See GWST 4000.

NOTES: Students must register in X and Y in consecutive terms; credit will be given only if both are completed consecutively.

GWST 4300 Introduction to Women and the Law

CREDIT HOURS: 3

The course begins with a focus on feminist legal theory, and the integration of feminism with issues of race, class, sexual orientation, and disability. The second major focus is on equality rights in Canada, from the early cases to current concepts of equality under the Charter. The course then considers the impact of feminist legal theories on particular areas of the law. This is followed by student class presentations on major paper topics.

FORMAT: Seminar

PREREQUISITE: This class is open to all 2nd and 3rd year Law students and all students eligible to take classes from the classes listed as Gender and Women's Studies core classes. However, this is a seminar class and is limited to a total of 18 students from Law and Gender and Women's Studies combined. Therefore, available spaces may be limited.

CROSS-LISTING: LAWS 2152.03

GWST 4303 How Victorian Visual Culture Made Modern Marriage (& Other Uses of Popular Culture as Historical Evidence)

CREDIT HOURS: 3

Contemporary western society is saturated with visual images of all kinds: from oil painting to pornography. Western visual culture is not only becoming more diverse but also increasingly globalized. For these reason alone, the study of popular visual culture is an important pursuit. But popular images, like all visual images, carry meaning and generate effects. This course explores the ways in which Western ideas about romance, weddings and married life emerged in 19th Century Britain and were transmitted through visual culture. This case study introduces students to the origins of mass popular culture, trains them in the use of visual sources as historical evidence and informs their understanding of the cultural history of 19th century Britain. The course also critiques the development of cultural studies as a discipline.

Students will conduct their own self-directed primary research into a visual popular culture topic of their choosing.

FORMAT: Seminar

CROSS-LISTING: HIST 4303.03

GWST 4315 Women's Suffrage From The French Revolution To World War I

CREDIT HOURS: 3

The question of women's participation in representative government first emerged during the French Revolution but by 1914, only two European countries had granted women the right to vote. This seminar explores the suffrage movement in the nineteenth century and the obstacles in the process of women's enfranchisement.

FORMAT: Seminar

PREREQUISITE: A modern European history course above the introductory level

CROSS-LISTING: HIST 4613.03

GWST 4330 Topics in the History of Sexuality

CREDIT HOURS: 3

This seminar is intended for senior undergraduates. The specific content of the course varies from year to year, with a general focus on comparative, historiographic and theoretical issues relating to the history of sexuality. Topics may include: the rise and fall of schools of sexology as embodied by Ellis, Freud and Kinsey; sexual violence and harassment; the commodification of sexuality; the history of the body; sexuality and colonialism; gay and lesbian subcultures; and the intersection of class, race and gender in sexual experiences, discourses and communities.

FORMAT: Seminar

PREREQUISITE: HIST 2614, GWST 2300, HIST 2615, GWST 2301, HIST 3350, GWST 3300, HIST 3013 or GWST 3013

CROSS-LISTING: HIST 4614.03

GWST 4355 Narrative Strategies in Nineteenth-Century Music: Gender, Identity, and Social Politics

CREDIT HOURS: 3

An interdisciplinary survey of nineteenth-century instrumental music, focusing on the narrative potential of nineteenth-century musical conventions and their relationship to other aspects of nineteenth-century Western culture. Representative musical works will be studied within the context of broader social and cultural issues, including gender, race, class, sexuality, nationality, ethnicity, and identity.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor

CROSS-LISTING: MUSC 4355.03

GWST 4402 Recent French Feminist Theory

CREDIT HOURS: 3

This course will concentrate on some of feminism's most challenging voices, those that have emerged from France in the past 50 years: Beauvoir, Kristeva, Cixous and Irigaray. The course will attempt to illuminate the intellectual background against which these women write, particularly in the areas of linguistic and anthropological structuralism, and in psychoanalytic theory. The course will be organized in part by the historical evolution of feminist thought, in part by the consideration of central feminist concerns.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CTMP 4302.03

EXCLUSIONS: CTMP 2030.06 and 4300.06

GWST 4427 Queer Theory

CREDIT HOURS: 3

This course provides an overview of the general questions and debates -- and the philosophical, political and cultural contexts--of the interdisciplinary field that is now known as 'Queer Theory.' It will profile a wide selection of foundational writings by leading scholars and contributors to GLBT thought and activism. Examining topics such as difference, identity, discrimination, and equality, we will address its articulations critical race theory, feminist philosophy, and critical analyses of political economy. We will also address the significance of queer theory to GLBT equality activism, attending to the relationship between political thought and legislative practice in addressing institutionalized heteronormativity and the public expressions of homophobia, transphobia, sexism, and racism and their impact on social policy.

CROSS-LISTING: POLI 4427.03

GWST 4500 Topics in Feminist Philosophy

CREDIT HOURS: 3

In this course, we shall explore some of the current research in a focused area of feminist philosophy. Previous topics have included feminist ethics, feminist epistemology, postmodern feminism, the feminist sexuality debates, and ecofeminism.

FORMAT: Seminar

PREREQUISITE: Strong background in philosophy or feminist theory (normally including at least one class in feminist philosophy or permission of the instructor).

CROSS-LISTING: PHIL 4500.03, PHIL 5500.03, GWST 5500.03

GWST 4550 La femme de lettres au Grand Siècle/ Literary Women of French Classicism

CREDIT HOURS: 3

In this course, we will explore: aspects of the intellectual and social context particularly relevant to a study of literary women in seventeenth-century France (for example: social structures and norms, la préciosité, the salons, the libertinage of Ninon de Lenclos, women's contributions as patrons of the arts); a representative selection of works, from several literary genres, written by seventeenth-century women (for example: novels by Mme de La Fayette and/or Mlle de Scudéry, Mme de Sévigné's letters, Mme d'Aulnoy's contes, Mme de Sablé's maxims); examples of literature written by men which counters the ambient misogyny of the period (for example: Molière's L'École des femmes and La Bruyère's Caractères).

FORMAT: Lecture

PREREQUISITE: 3000-level French literature course or instructor's permission

CROSS-LISTING: FREN 4550.03

GWST 4900X/Y Honours Thesis

CREDIT HOURS: 3

Students writing an honours thesis in Gender and Women's Studies as the primary subject of a Combined Honours program must enroll in this course. The course meets five times over the course of the academic year in which the student writes her thesis. The grade for the honours thesis is assigned under this course number.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Admission to the honours program

Geography

Note: There is no Geography program at Dalhousie; however, several courses taught in various departments are commonly recognized as Geography courses. Only courses which are cross-listed in Science departments may be used to meet the life or physical science subject requirement for the BA degree.

Staff

Deans

Macy, C., BA (Arch) (Calif. At Berkeley), MArch (MIT)

Moore, C., BA (Hons), PhD (Cambridge) Professor, Psychology

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

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Minor in Geography

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Community Design (Hons), Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

To fulfill the requirements for a Minor in Geography, students must complete 24 credit hours, including the following:

- GEOG 1030.03/ERTH 1030.03: Introduction to Physical Geography
- GEOG 1035.03: Introduction to Human Geography
- GEOG 2000.03: Cartography

Additional 15 credit hours from the following list: at least 6 of which must be at the 3000 level or higher.

- GEOG 2001.03/PLAN 2001.03: Landscape analysis
- GEOG 2006.03/PLAN 2006.03: Space, Place, and Geographic Information Systems

- GEOG 2070.03/PLAN 2070.03: Area Studies on Mexico and Central America
- GEOG 2100X/Y.06.SOSA 2100.06: Environment and Culture
- GEOG 2201.03/INTD 2001.03: Introduction to Development
- GEOG 2202.03/INTD 2002.03: Introduction to Development II
- GEOG 2206.03/INTD 2106.03: Africa: An Introduction
- GEOG 2336.03/ECON 2336.03: Regional Development
- GEOG 2800.03/PHYC 2800.03: Climate Change
- GEOG 3001.03/PLAN 3001.03: Landscape Ecology
- GEOG 3002.03/PLAN 3002.03: Reading the City
- GEOG 3005.03/PLAN 3005.03: Cities and the Environment
- GEOG 3006.03/PLAN 3006.03: Reading the Landscape
- GEOG 3110.03/INTD 3110.03: Migration and Development
- GEOG 3114.03/INTD 3114.03: Environment and Development
- GEOG 3165.03/SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- GEOG 3210.03/HIST 3210.03/CANA 3020.03: Canadian Cultural Landscapes
- GEOG 3220.03/SOSA 3220.03: Coastal Communities in the North Atlantic
- GEOG 3284.03/SOSA 3284.03: Living in cities
- GEOG 3370.03/HIST 3370.03: North American Landscapes
- GEOG 3400.03/ENVS 3400.03: Human Health and Sustainability
- GEOG 3440.03/ERTH 3440.03: Geomorphology
- GEOG 3500.03/ERTH 3500.03/ENVS 3500.03/ERTH 5600.03: Exploring Geographic Information Systems
- GEOG 3633.03/ENVS 3633.03/BIOL 3633.03: Spatial Information and GIS in Ecology
- GEOG 4440.03/ERTH 4440.03: Geomorphology and Landscape Evolution
- GEOG 4450.03/ERTH 4450.03: Introduction to Landscape Simulation
- GEOG 4520.03/ERTH 4520.03: GIS Applications to Environmental and Geological Sciences
- GEOG 4530.03/ERTH 4530.03: Environmental Remote Sensing

NOTE: Students in the BCD program may not select PLAN cross-listed courses that are required courses for their degree program

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

GEOG 1030 Introduction to Physical Geography

CREDIT HOURS: 3

This non-lab science course examines the nature of weather and climate, earth's surface features and processes, and internal processes that contribute to landform development. An integral component of the course is an exploration of the representation and interpretation of physical geographic data through the examination of a variety of maps.

NOTES: There are no pre-requisites for this course and students may take this class in addition to any other first year Earth Sciences class.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: EARTH 1030.03

GEOG 1035 Introduction to Human Geography

CREDIT HOURS: 3

Human geography examines the ways that people perceive, use, and alter the landscapes they occupy. This course considers aspects of culture that characterize different social groups, as well as the systems of production, livelihood, spatial organization, and administration that societies erect. The class introduces the principal tools of human geographers: maps, demography, and analysis of cultural patterns.

NOTES: This class cannot be used to meet the life or physical science subject requirement for the BA degree.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

GEOG 1060 Earthquakes, Volcanoes and Natural Disasters

CREDIT HOURS: 3

Earthquakes, meteorite impacts, rapid climate change, volcanic eruptions, hurricanes, landslides, solar flares, and floods are natural disasters that affect our economy, public policy, and safety. Where, why and how frequently do natural disasters occur? Are predictions possible? Are media portrayals of risk and damage realistic? This course, aimed at the nonspecialist, investigates these intriguing questions. Excerpts of “disaster films”, in conjunction with lectures and discussions are used to identify the causes, consequences and sometimes erroneous perceptions of natural hazards. Examples from Atlantic Canada and contemporary disasters are used to assess local risk and real-time events worldwide.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: EARTH 1060.03

GEOG 2000 Cartography

CREDIT HOURS: 3

Maps, are essential aids to disciplines that span archaeology to zoology. Navigation is the art and science of finding one's way through both natural and built landscapes. This class investigates how maps are constructed and interpreted, how maps can distort perceptions, and can influence one's decisions.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH/GEOG 1030, or EARTH 1080

GEOG 2001 Landscape Analysis

CREDIT HOURS: 3

Designers and planners need to understand the influence of physical, biological, and cultural systems in landscape evolution, and the relevance of that information in analyzing land capability. Students develop inventory and analysis tools for understanding environmental processes and their implications for design and planning. There will be field trips and a lab component.

FORMAT: Lecture| Lab

PREREQUISITE: EARTH 1030.03

CROSS-LISTING: PLAN 2001.03

GEOG 2006 Space, Place and Geographic Information Systems

CREDIT HOURS: 3

Planners use Geographical Information systems (GIS) for data collection, coordination, and analysis. Properly interpreted, GIS data contribute to informed decision-making. This course explores the application of GIS in planning within a project-centred setting. Students learn to use GIS to address and use and site planning issues. The course also considers mapping standards used within the field of planning, and examines legal, privacy, and ethical implications of using GIS data in the public realm.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PLAN/GEOG 2001

CROSS-LISTING: PLAN 2006.03

GEOG 2070 Area Studies on Mexico and Central America

CREDIT HOURS: 3

Following an examination of the indigenous heritage, and the colonial legacy of the conquistadors, the class deals principally with the contemporary period, examining the Mexican Revolution and its aftermath, the Somoza dynasty, Nicaragua under the Sandinistas, the U.S. role in the region, the human rights situation in Central America, and probable developments in the region. The class is designed to provide an understanding of the contemporary reality of this volatile region, in many ways a microcosm of the crucial situation of Latin America as a whole.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 2

PREREQUISITE: No prerequisites. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2383.03

GEOG 2100X/Y Environment and Culture

CREDIT HOURS: 6

Concern about the environment is a widespread phenomenon as virtually everyone is confronted by environmental issues -- be they global warming, the depletion of the ozone layer or the continuing problems of water pollution and solid waste disposal. Furthermore, we are becoming increasingly aware of that environmental issues often have global implications. The efforts of cities in Canada to deal with environmental pollution, for example, may lead to conflicts with rural regions. Similarly, rural regions, in their use of various chemical agents, may find themselves affecting the lives of city dwellers. This class will explore key relationships between human culture and the physical environment. Topics to be examined include: historical, social, and legal aspects of contemporary environmentalism, food and agriculture, environmental ethics, health, traditional ecological knowledge, sustainable forestry, waste management, public participation and environmental movements.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, SOSA 1050X/Y.06, SOSA 1100X/Y.06, SOSA 1200 X/Y.06

CROSS-LISTING: SOSA 2100.06

GEOG 2201 Introduction to Development I

CREDIT HOURS: 3

Poverty, inequality and injustice are widespread throughout the contemporary developing world. This course will examine how this situation came to be. It begins by analyzing the different meanings of the term “development” and then examines the major approaches that have shaped practical development initiatives on the ground in the Global South over the past 60 years. The course also examines the legacies of history for contemporary development efforts in the Global South through specific case studies.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five full credits at the 1000 level or permission of the instructor

CROSS-LISTING: INTD 2001.03

GEOG 2202 Introduction to Development II

CREDIT HOURS: 3

This course builds upon the core concepts and approaches studied in INTD 2001 (i.e. different theoretical approaches to development and the historical creation of underdevelopment). The course examines key contemporary issues in the field of development and analyses the connections between them: debt, global trade rules, foreign aid, hunger and malnutrition, rural and urban livelihoods, population growth. The course also examines the principle actors involved in development and the strategies they have used to promote and resist development, including: governments, non-governmental organizations (NGOs), the World Bank and IMF, and popular social movements in the Global South and North.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five credits at the 1000 level or permission of the instructor

CROSS-LISTING: INTD 2002.03

GEOG 2206 Africa: An Introduction

CREDIT HOURS: 3

This course will focus on contemporary Africa. Stereotypical portrayals of Africa will be examined and critiqued with the goal of emphasizing the immensity, diversity and complexity of the continent in order to better understand the opportunities and challenges of African development in the twenty-first century.

FORMAT: Lecture| Tutorial

CROSS-LISTING: INTD 2106.03

GEOG 2336 Regional Development

CREDIT HOURS: 3

Most countries have richer and poorer regions. Economic development issues, policies, and theories facing more industrialized nations are analyzed with particular focus on Canada (especially the Atlantic region), the European Economic Community, U.S.A., Japan, and Australia. Approved with Canadian Studies. In addition to the prerequisites, the student is advised to take one class in Political Science and one class in Canadian History before taking ECON 3336.

FORMAT: Tutorial| Seminar

PREREQUISITE: ECON 1101.03 and 1102.03

CROSS-LISTING: ECON 2336.03

GEOG 2800 Climate Change

CREDIT HOURS: 3

Most models of the atmosphere predict that increasing concentrations of greenhouse gases will continue to warm the surface of the earth and the oceans in the twenty-first century. The magnitude of the warming and its consequences are still very controversial. This class will discuss, mainly from a nonmathematical viewpoint, the reasons for the greenhouse effect, the current warming in the context of the historical record of climate change, and sources of natural climate variability such as the El Nino Southern Oscillation. It will also review arguments that attribute the warming that has occurred in the Twentieth century to natural variability, and those that attribute the warming to increased human emission of greenhouse gases.

CROSS-LISTING: PHYC 2800.03 and OCEA 2800.03

EXCLUSIONS: ECON2850.06, PHYC2850.06

GEOG 3001 Landscape Ecology

CREDIT HOURS: 3

Landscapes reflect the interaction of natural and cultural processes. This course introduces the principles of ecology to landscape analysis. It explores relationships between environmental components in the landscape to inform community design and land use planning applications.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 2001.03 or GEOG 2001.03 or permission of the instructor

CROSS-LISTING: PLAN 3001.03

GEOG 3002 Reading the City

CREDIT HOURS: 3

Any city reflects the history of its topography, cultural traditions, and design interventions. This course introduces the principles, theories, and methods of urban form analysis in the local urban context. Students explore the local urban environment to interpret what the city means, and how it comes to take the shape it does.

FORMAT: Lecture| Lab

CROSS-LISTING: PLAN 3002.03

GEOG 3005 Cities and the Environment

CREDIT HOURS: 3

The contemporary landscape reflects a long history of human activities on the land and design and planning interventions through time. Civilizations rise and fall, often because of their degradation of the ecosystems that support them. This course examines the relationship of cities with the environment to enhance our understanding of landscape change, urban form and patterns in human settlements through the ages.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 3005.03

GEOG 3006 Reading the Landscape

CREDIT HOURS: 3

Any landscape reflects its natural and cultural history. This course explores principles, theories, and methods of landscape interpretation. These approaches will be applied to community design problems in local landscapes.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 3001.03, 3002.03, or GEOG 3001.03, 3002.03

CROSS-LISTING: PLAN 3006.03

GEOG 3110 Migration and Development

CREDIT HOURS: 3

The purpose of this course is to explore and better understand the connections between migration and development in contemporary societies. Classes will introduce or

further explore one main theme or issue, such as development-induced displacement, labour migration, and HIV/AIDS and migration. Each class will centre on one or more discussion questions, exchange insights from relevant experiences of class participants or focus on a case study

FORMAT: Lecture| Seminar

CROSS-LISTING: INTD 3110.03

GEOG 3114 Environment and Development

CREDIT HOURS: 3

This course will examine the interconnections between the natural environment and different forms of social and economic development with a specific focus on developing countries. Various perspectives will be used to analyze the links between environmental issues and poverty, inequality, wealth, economic globalization and the ways in which different cultures understand and interact with the environment.

FORMAT: Lecture| Seminar

CROSS-LISTING: INTD 3114.03

GEOG 3165 Peoples and Cultures of the World: Selected Area Studies

CREDIT HOURS: 3

This class examines a specific geographic and/or culture area. The class begins with background material on geography and history. Its focus is on the people themselves, their social organization and political, economic, and cultural systems. How they relate to globalization and development will also be examined. Consult the Department to find which region is to be covered in a particular year. **Approved with International Development Studies.**

FORMAT: Lecture

PREREQUISITE: SOSA 1000X/Y.06; 1050X/Y.06; 1100X/Y.06; 1200X/Y.06

CROSS-LISTING: SOSA 3165.03

EXCLUSIONS: SOSA 2370.03

GEOG 3210 Canadian Cultural Landscapes

CREDIT HOURS: 3

This course explores the origins of one "signature" landscape in each province. Contact with different geographies shaped distinctive regional histories; but at the same time, the story of each place is tied to the national narrative. These landscapes also illuminate how nature has been understood, used, and transformed since the fifteenth century.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3210.03, CANA 3020.03

GEOG 3220 Coastal Communities in the North Atlantic

CREDIT HOURS: 3

Coastal communities as a social/ecological type are examined as populations, and social structures (territorial, economic, occupational, political) as they have developed in response to particular ecological and social circumstances. Various perspectives which have been applied to coastal communities are examined with regard to the contribution they may make to understanding the dynamics of these communities. The focus is on North Atlantic communities.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: SOSA 3220.03

GEOG 3284 Living in Cities

CREDIT HOURS: 3

2008 marked the first time in history that more of the global population lived in cities than in rural areas. What perspectives to anthropology and sociology offer on cities and their inhabitants? This course explores the social dynamics that constitute 'the city' and surveys how social scientists have studied and engaged with cities and city-dwellers. It approached 'the city' both as a whole and through its constituent parts: people and places. Examples may be drawn from cities large and small, near and far - including Halifax.

FORMAT: Lecture| Seminar

PREREQUISITE: One of SOSA 1000.06, SOSA 1050.06, SOSA 1100.06 SOSA 1200.06 FYP or PLAN 2005.06

CROSS-LISTING: SOSA 3284.03

GEOG 3302 Quaternary Sedimentary Environments

CREDIT HOURS: 3

The student is exposed to fluvial, alluvial, subglacial, glaciolacustrine, hillslope, eolian, coastal, shallow marine, rift, wedge top, retroarc, and foreland basin environments. Field trips and labs provide experience in methods used to distinguish the environments, including sedimentology, geomorphology, geochronology and thermochronology, and analysis of soils, cores, pebble fabrics, and section-scale non-petroleum sedimentary facies. Quaternary paleoclimatology and tectonic controls on weathering and deposition are discussed and debated.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 2203.03

CROSS-LISTING: EARTH 3302.03

GEOG 3370 North American Landscapes

CREDIT HOURS: 3

Landscapes are the product of human culture ordering nature for economic, social, political, religious, recreational, and artistic purposes. Landscape history analyzes and interprets the use and design of such features as fields and woodlands, roads and waterways, settlements and buildings, towns and suburbs, and parks and cities. This class examines the use and meaning of the spatial environment among the various societies in North America from the sixteenth to the twentieth centuries. Among the topics are the meaning of area resources for indigenous peoples, the occupation and settlement of colonial populations, transportation and continental expansion, town planning, the politics of water and land in the West, preservation movements, scenic tourism, and the literary and artistic stylization of landscapes. The class welcomes non-history students with an interdisciplinary interest in issues regarding planning and design, cultural ecology, and the governance of resources.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: HIST 3370.03

GEOG 3400 Human Health and Sustainability

CREDIT HOURS: 3

This course examines the relationships between the health of populations and health determinants in the context of environmental sustainability. Weekly laboratory exercises will teach students how geomatics (GIS, GPS, and remote sensing technologies) and epidemiological tools can be used to assess the links between the health of human populations and the health of the environment, and how to use these tools for environmental health research.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: Must be a third year student or have permission of instructor

CROSS-LISTING: ENVS 3400.03

GEOG 3440 Geomorphology

CREDIT HOURS: 3

Geomorphology is the quantitative study of Earth's surface processes and landforms applies to geology, civil engineering, hydrogeology, and environmental management. We investigate slope stability, weathering and soils, sediment production, wind-driven and coastal environments, tectonic landforms, and river, glacial and permafrost processes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080, EARTH 1090; or SCIE 1505, or SCIE 1515, or SCIE 1530, or permission of the instructor AND completion or concurrent enrollment of a 1000-level mathematics class, a 1000-level physics class, and a 1000-level chemistry class.

CROSS-LISTING: EARTH 3440.03

GEOG 3500 Exploring Geographic Information Systems

CREDIT HOURS: 3

Geographic Information Systems (GIS), as a tool for the management of georeferenced data, have become indispensable for disciplines where location of objects and pattern of processes is important. GIS plays a significant role a wide range of applications, from modeling, to analysis and predictions, to decision making. The class is aimed at a broad base of potential users and draws on examples of the role of GIS in global climate change, mineral exploration, preservation of biodiversity, coastal zone management, resource depletion, and many other present and future environmental issues. The course material will be of interest to those studying geoscience, environmental science, ecology, marine biology, oceanography, epidemiology, urban and rural planning, civil engineering, and any other field involving spatial data. Laboratory exercises emphasize the principles of raster and vector GIS, and the integration of databases and GPS (global positioning systems) data into GIS. Exercises draw on the diversity of GIS applications in a number of application areas.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Two years of university study or equivalent or instructor's permission

CROSS-LISTING: EARTH 3500, EARTH 5600, ENVS 3500

EXCLUSIONS: Credit will only be given for one of GEOG 3500, SCIE 3600, EARTH 3500, EARTH 5600, ENVS 3500

GEOG 3633 Spatial Information and GIS in Ecology

CREDIT HOURS: 3

A hands-on approach to understanding and using spatial information, this class introduces students to Geographic Information Systems (GIS) as a tool to answer ecological questions. Together, students conduct a major field project, collecting data, creating maps using GIS, and interpreting spatial patterns, to address and applied problem in ecology.

NOTES: Offered in the summer through SEASIDE. an auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

PREREQUISITE: BIOL 2060.03

CROSS-LISTING: ENVS 3633.03, BIOL 3633.03

GEOG 4440 Geomorphology and Landscape Evolution

CREDIT HOURS: 3

Ripple-to mountain range-scale landforms evolve under predictable internal and external forces that are modulated by the physical and chemical properties of the rock. The purpose of this course is to provide a thorough examination of the development of landscapes by tectonics and surficial processes involving weathering, mass wasting, streams, and glaciers. The concepts of equilibria, climate and vegetation change, and rock character are recurring themes throughout the course. Dating and thermochronology methods are discussed in the context of rates of landscape change. Early classic viewpoints of landform development are contrasted with the latest numerical simulations of landscape evolution. The labs are mostly field-oriented with emphasis on Quaternary stratigraphy, describing and interpreting soils, local geomorphology, and geomorphometrics.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 and EARTH 1090 recommended. Must be a 4th year Science student familiar with excel, or with instructor's permission

CROSS-LISTING: EARTH 4440.03

GEOG 4450 Introduction to Landscape Simulation

CREDIT HOURS: 3

We examine different approaches to numerical modelling of earth-surface processes such as erosion and landslides, melting permafrost, and braided rivers. Using class and/or individual projects as examples, the selection of variables, sensitivity testing, and methods for testing models against nature are discussed. We use Matlab; programming experience is useful but not essential.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 3440.03, MATH 1010 or 1400, PHYC 1280.03/1290.03X/Y and three courses at the 3000-level in the physical sciences (chemistry, earth science, physics) or with consent of instructor

CROSS-LISTING: EARTH 4450

GEOG 4520 GIS Applications to Environmental and Geological Sciences

CREDIT HOURS: 3

Note: This class is not offered every year. Please consult department in the spring for further information. Geographic information systems (GIS) provide a rich set of new tools to the geologist and environmental scientist, not only to solve conventional problems, but also to explore questions not readily answered by other means. This class builds on the fundamentals of GIS taught in EARTH 3500.03 to explore analytical tools that aid in decision-making processes encountered in mineral exploration, hydrogeology, site selection, environmental assessment, and global change analysis. The class concentrates on case studies and problem solving, including those requiring multi-criteria and multi-objective decision making processes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: GEOG 3500.03, ENVS 3500, EARTH 3500.03; EARTH 5600, or SCIE 3600.03; STAT 1060.03

CROSS-LISTING: EARTH 4520.03

GEOG 4530 Environmental Remote Sensing

CREDIT HOURS: 3

The goal of this class is to introduce students to the role of remote sensing as a technique provide environmental and geologic information. Particular emphasis will be placed on examining the potential and limitations of remote sensing methods and data in this context. The lectures discuss the fundamentals of remote sensing with an emphasis on multi-spectral satellite systems. In the lab, students use computerized techniques of digital image enhancement and thematic information extraction to process images derived from optical, radar, and hyperspectral remote-sensing systems. The integration of remote-sensing information with GIS (Geographic Information Systems) is stressed in both the labs and lectures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 3500.03, ENVS 3500.03, or EARTH 5600.03 or SCIE 3600.03 or GEOG 3500.03

CROSS-LISTING: EARTH 4530.03

GEOG 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: EARTH 5420.03/GEOG 4520.03

PREREQUISITE: ENVS 3500.03/EARTH 3500.03/GEOG 3500.03 and permission of instructor

CROSS-LISTING: BIOL 4850.03, ENVS 4850.03, SCIE 4850.03, EARTH 4850.03

EXCLUSIONS: Restricted to 3rd and 4th year students

German

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 3060

P.O. Box: 15000

Halifax, NS B3H 4R2

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Introduction

German, the most widely used language in Europe, is spoken by approximately 100 million people as their native tongue in Austria, Germany, Switzerland, Italy, Belgium, and some parts of Eastern Europe. The cultural, economic, and scientific role of the German-speaking countries makes the knowledge of German indispensable to the study of most academic disciplines. The number of publications in the German language is second only to the number published in English.

The departmental program "German Studies" is the investigation of German culture and its place in the formation of the modern world. The program concentrates on significant aspects of the cultural tradition of the German-speaking countries. From Luther to Nietzsche, Freud, and Marx, German writers have moved people and nations to change the class of the world. The literary and intellectual development of Germany culminated around 1800 in the epoch of Classicism. The authors of this epoch (Lessing, Herder, Hegel, Goethe, Schiller) founded their writings on a thorough knowledge of the cultural tradition of Europe, especially Greek culture. As scientists, historians, and politicians they described problems and questions of a universal nature in their works. They became the first historians of literature and created the discipline of aesthetics. The universality of the authors of German classicism explains their present-day relevance and makes the study of German important and attractive.

Major or honours students may, with the approval of the Department of German, take up to one year (five full credits) at a university in a German-speaking country and receive credit at Dalhousie. The Department has exchange arrangements with the universities of Heidelberg and Freiburg. In addition there is a "visiting scholars" program which brings distinguished scholars from Germany to Dalhousie.

For students of **German for Business**, the Department offers access to one of the most prestigious MBA programs in International Industrial Management in Germany

at the FH-Esslingen in co-operation with Daimler and Bosch.

For advanced **Engineering students**, the Department offers access to the MSc in Automotive Engineering and the MSc in Information Technology and Automation Systems at the same Graduate School.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

The following programs are normally followed, other possibilities do exist. Students considering a degree in German are advised to consult with the undergraduate advisor of the Department.

Applications for Honours Programs should be discussed with a departmental advisor at an early stage. Later applications can also be accommodated.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Sidler, J. (902 494-1094)

Undergraduate Advisor

Garvey, B. V. (902 494-1095)

Professor Emeritus

Gaede, F. W., PhD (Freiburg), FRSC, McCulloch Professor

Professor

Schwarz, H. -G., MA (Munich), PhD (McGill), McCulloch Chair in German; also *Lehrauftrag* at the University of Heidelberg

Associate Professor

Sidler, J., MA (Freiburg), MA (Dalhousie), PhD (Queen's)

Assistant Professor

House, M. K., MA, PhD (Princeton)

Adjunct Professors

Aurnhammer, A., Dr. phil.habil (Univ of Freiburg)
Curran, T. H., BA (Hons) (Toronto), MA (Dalhousie), PhD (Durham)
Grüning, H.-G., Dott. (Univ. of Macerata)
Heuer, F., Dr. phil. (Univ. of Heidelberg)
Joachimsthaler, J., Dr. phil. habil (Univ of Marburg)
Kanzog, K., Dr. phil. (Berlin), Dr. habil. (Munich)
Roesch, G. M., Dr. phil.habil (Univ. of Heidelberg)

Senior Instructor

Garvey, B. V., BA (Hons), MA (Dalhousie)

Lecturers

two positions

BA with Honours in German

Beyond Beginner-level German, the Honours program requires 54 additional credit hours in German Language, Literature and Thought at or above the 2000 level, including at least two courses in German Literature or Thought at the 3000 level or higher. It is recommended that at least four courses be completed in the last two years of the program. At the end of the program, students take an oral Honours Exam.

Honours students are strongly advised to complete some coursework in Germany, e.g., through the Canadian Year in Freiburg Program. Consult with the undergraduate advisor.

BA with Combined Honours

To take an Honours degree combining German with another subject, a student must consult with the academic advisors of both departments to arrange the specifics of the program. In general, a combination of 66 - 84 intermediate and advanced credit hours in the two subjects is required. If students intend to take the German Honours exam, they need a minimum of 36 credit hours in German, including courses in Literature and Thought; if the Honours thesis or exam is completed in the other department, a minimum of 30 intermediate and advanced credit hours in German is required.

BA (120 credit hour) Major in German

For a BA with Major in German, at least 36 (and up to 54) credit hours beyond the 1000 level must be completed; at least 18 of these credit hours must be at the 3000 level or higher. 12 credit hours must be in courses dealing with literature or thought.

BA (120 credit hour) Double Major in German

A BA with a Double Major in German and another subject requires a combination of 60 to 84 intermediate and advanced credit hours in the two subjects. Of these 30 to 54 credit hours can be in German, and at least 12 must be at the 3000 level or higher. 12 credit hours must be in courses dealing with literature or thought.

BA (90 credit hour) Minor in German

See the Minor in German section of this Calendar

Minor in German Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete 24 credit hours beyond the 1000 level.

Requirement

- GERM 2000.06

Minor in German Philosophy

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete between 18 and 27 credit hours beyond the 1000 level from the following list:

- GERM 2290.03: German: Romanticism: From Goethe to Hegel
- GERM 2450.06: Kant and the History of German Idealism
- GERM 2551.03: In Pursuit of Freedom from Luther to Nietzsche II
- GERM 2600.03: 'Freiheit'. Freedom in German Literature and Thought I
- GERM 2601.03: 'Freiheit'. Freedom in German Literature and Thought II. 19th and 20th Century
- GERM 2650.06: Modern German Philosophy
- GERM 3100.06: German Literature and Thought from Reformation to Enlightenment
- GERM 3120.03: Origins of Comparative Religion from Hegel to Nietzsche
- GERM 3450.03: Confronting Fascism
- GERM 3550.03: Germany and the Environment
- GERM 4100.06: Aesthetic Theory
- GERM 4200.06: Seminar on Hegel's Phenomenology of Spirit
- GERM 4250.06: Studies in German Idealism
- PHIL 2650.06: Modern German Philosophy
- PHIL 3630.03: History of Philosophy: Kant
- PHIL 3635.03: History of Philosophy: 19th Century Philosophy
- PHIL 4190.03: Topics in the History of Philosophy I: Wittgenstein

Other courses may be possible with departmental approval. Students must take nine credit hours from the German Department and nine credit hours from the Philosophy department.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

PLEASE NOTE:

- GERM 1001X/Y.06 is to be taken by students with no previous knowledge of German.
- GERM 1010X/Y.06 is to be taken by students with no previous knowledge of German.
- GERM 1060X/Y.06 is to be taken by students with no previous knowledge of German.
- Students who have completed high school German will normally take GERM 2000X/Y.06.
- GERM 1010X/Y.06/GERM 1060X/Y.06: Intensified German

All students with previous knowledge of German should see the Undergraduate Advisor.

Intermediate Courses

Intermediate courses are based on GERM 1010X/Y.06, GERM 1060X/Y.06, high school German Grade 10, 11, 12 or an equivalent basic knowledge. A combination of GERM 2000X/Y.06 and GERM 2020X/Y.06 serves as an accelerated Intermediate German course and is designed for students who want to make rapid progress in the language.

Unless noted otherwise, all upper year courses are taught in German with German texts.

Course Descriptions

GERM 1001X/Y German: A Practical Course for Beginners

CREDIT HOURS: 6

This course provides the linguistic and cultural background needed to interact successfully with German speakers. The course replaces traditional grammar instruction with practical exercises reflecting the basics of communication in domestic and academic life as well as in business and tourism. This course combines a predominantly oral method based on conversation and discussion with written work. For a more traditional approach, see GERM 1010X/Y.06 or GERM 1060X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

GERM 1010X/Y German for Beginners

CREDIT HOURS: 6

GERM 1010X/Y.06 is a seminar course for beginners only, and no previous knowledge is required. Its equivalent is two years of German in high school with a final mark of 75% or better. The course emphasizes the spoken language, and provides the student with a thorough knowledge of basic grammar. Conversational tutorials are a required part of the course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

GERM 1020X/Y German Fiction in Novel and Film

CREDIT HOURS: 6

This course satisfies the university's guidelines for the Writing Requirement. It examines the conceptual transition from the printed word to the screen; classic German novels and short stories are to be read and compared with their film versions. Works by Kleist, Fontane, Kafka, Thomas Mann, Heinrich Mann, Böll and Handke will be included on the reading list. All texts will be read in English translation. Some of the best known and most innovative cinematic works will be shown and discussed. Directors will include Fassbinder, Herzog, Schlöndorff, Wenders, von Trotta and Visconti. All German language films will either be "dubbed" into English or provided with English subtitles.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

EXCLUSIONS: GERM 1021.06, GERM 1021.06

GERM 1021X/Y German Fiction in Novel & Film

CREDIT HOURS: 6

Students enrolled in GERM 1021 attend lectures along with those in GERM 1020. However, as they do not need a writing course, they are not required to complete all 8 assignments. Instead, they attend a separate tutorial and submit fewer, more detailed and fully researched essays.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

EXCLUSIONS: GERM 1020X/Y.06, GERM 1025.03

GERM 1025 German Fiction in Novel and Film

CREDIT HOURS: 3

This class examines the conceptual transition from the printed word to the screen; classic German novels and short stories are to be read and compared with their film versions. Works by Kleist, Fontane, Kafka, Thomas Mann, Heinrich Mann, Böll and Handke will be included on the reading list. All texts will be read in English translation. Some of the best known and most innovative cinematic works will be shown and discussed. Directors will include Fassbinder, Herzog, Schlöndorff, Wenders, von Trotta and Visconti. All German language films will either be "dubbed" into English or provided with English subtitles. This class is writing intensive.

RESTRICTIONS: Restricted to Engineering students.

EXCLUSIONS: GERM 1021.06, GERM 1025.06

GERM 1060X/Y German for Reading

CREDIT HOURS: 6

In this course, students acquire a solid foundation for comprehending and translating texts in the humanities and sciences. No previous knowledge of German is required. The course is taught in English. For purposes of admission to advanced courses in German it is equivalent to GERM 1010X/Y.06. This course satisfies the Bachelor of Arts Language Requirement. The combination of GERM 1010X/Y.06 and 2010X/Y.06 is recommended for students who desire rapid progress in the German language.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

EXCLUSIONS: GERM 1060.06

GERM 1080X/Y German Folk and Fairy Tales

CREDIT HOURS: 6

Beginning with the great Germanic epic of the Nibelungen, and finishing with the famous collection of fairy tales by the Brothers Grimm, this course aims to familiarize students with the most significant Germanic myths and tales. Their origins and aspects of their historical, political, social and literary importance will be discussed, through readings presenting a wide variety of critical approaches. The course encourages an interest in narrative style - in the epic, the legend and the fairy tale as literary forms. The history and essential qualities of these forms will be investigated; students will develop a greater awareness of the role and influence which

the imagery of these forms has had (and continues to have) in the visual arts and music, in advertising and film, in poetry and theatre. The readings for this course are in English.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

EXCLUSIONS: GERM 2010.03, GERM 2011.03

GERM 2000X/Y Intermediate German

CREDIT HOURS: 6

The main aim of this course is to develop a certain degree of speaking fluency as well as to improve reading and writing skills. Small conversation classes once a week as an aid to speaking fluency are offered.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Seminar

PREREQUISITE: GERM 1010X/Y.06 or 1060X/Y.06 or equivalent

GERM 2020X/Y Exercises in Translation and Composition

CREDIT HOURS: 6

English and German texts from various periods and of different types will be translated. These translations lead to the discussion of specific difficulties of grammar and construction. Students must prepare translations or compositions for each class.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 1010X/Y.06 or equivalent

GERM 2021 Translation & Composition I

CREDIT HOURS: 3

English and German texts from various periods and of different types will be translated. These translations lead to the discussion of specific difficulties of grammar and construction, word choice and style. Students must prepare translations or compositions for each class.

FORMAT: Seminar

PREREQUISITE: GERM 1010X/Y.06 or equivalent

EXCLUSIONS: GERM 2020X/Y.06

GERM 2022 Translation & Composition II

CREDIT HOURS: 3

As in Translation and Composition I, English and German texts from various periods and of different types will be read and translated. Students will develop their reading comprehension and translation skills and hone their ability in written expression in German. Students must prepare translations or compositions for each class.

GERM2022 builds on the skills acquired in Translation and Composition I, although it may be taken on its own by students with strong language ability.

FORMAT: Seminar

PREREQUISITE: GERM1010X/Y.06 or equivalent

EXCLUSIONS: GERM 2020X/Y.06

GERM 2040 Monsters and Madness: Early 20th Century German Film

CREDIT HOURS: 3

This course provides an introduction to German film of the early 20th century. We will focus on one of the most influential periods of cinema history, German Expressionism, and continue to early sound film, Nazi-Propaganda and Postwar film. No knowledge of the German language is necessary. All films are subtitled.

FORMAT: Seminar

CROSS-LISTING: THEA 2340.03

GERM 2050 German Reading I

CREDIT HOURS: 3

This is a seminar specifically intended for students who do not fit into our normal program offerings. Please consult departmental advisor.

GERM 2051 German Reading II

CREDIT HOURS: 3

This is a seminar specifically intended for students who do not fit into our normal program offerings. Please consult departmental advisor.

GERM 2060 German for Business, Economics and Tourism I

CREDIT HOURS: 3

This course introduces students to the specialized vocabulary used in business and economics. It also aims to familiarize the students with all aspects of the German economy and business world.

FORMAT: Seminar

PREREQUISITE: Any of GERM 1010X/Y.06, 1060X/Y.06 or equivalent

GERM 2061 German for Business, Economics and Tourism II

CREDIT HOURS: 3

This course introduces students to the specialized vocabulary used in business and economics. It also aims to familiarize the students with all aspects of the German economy and business world.

FORMAT: Seminar

PREREQUISITE: GERM 1010X/Y.06, 1060X/Y.06 or equivalent

GERM 2150X/Y Goethe's Faust

CREDIT HOURS: 6

A close reading of Goethe's *Faust*, comparing the German original and an English translation, will give rise to questions about translation techniques, the theory of drama and the reshaping of a legend. While Goethe's masterpiece stands at the centre, other German versions of the Faust legend will also be discussed in detail.

Assignments will involve research into later echoes of the Faust legend as well. The language of instruction is English but the texts are in German.
NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.
FORMAT: Lecture| Discussion
PREREQUISITE: GERM 1010X/Y.06 or a reading knowledge of German
EXCLUSIONS: GERM 3055.06

GERM 2200X/Y Introduction to German Literature

CREDIT HOURS: 6

A study of texts representing major periods of German Literature from the 18th to the 20th century. Special emphasis is on the interaction between literature, society and other forms of art. The course also serves as an introduction to literary criticism. The language of instruction is German and English, as needed; the texts are in German.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Tutorial| Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent or a reading knowledge of German

GERM 2280 Friedrich Schiller's Historical Drama

CREDIT HOURS: 3

Friedrich Schiller's five historical dramas range over Early Modern Europe from the Hundred Years War, and find settings in medieval Switzerland and France, as well as Counter-Reformation Spain and Elizabethan England. These five plays will be analyzed according to lyrical, theatrical, historical and aesthetic criteria.

FORMAT: Lecture| Discussion

CROSS-LISTING: EMSP 2280

GERM 2290 German Romanticism: from Goethe to Hegel

CREDIT HOURS: 3

Genuine feeling and political liberation are enhanced by attention to classical antiquity and modern folktale. Apparently a reaction against the modern, from Goethe to Hegel, Romanticism manages to eclipse almost everything else and define some six decades of German philosophy and literature in the writings of Herder, Goethe, Schiller, Novalis, A.W. and Friedrich Schlegel, Eichendorff, Hölderlin, Schelling, Hegel, Büchner.

FORMAT: Lecture| Discussion

CROSS-LISTING: EMSP 2290

GERM 2400X/Y German Art and Literature

CREDIT HOURS: 6

This course gives an introduction to modern German Art and Literature. Special emphasis is on the interaction between art and literature, particularly the themes and styles shared by visual and literary expression during the various epochs of modernity. The language of instruction is German and English, as needed. The texts are in German.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 2450X/Y Kant and the History of German Idealism

CREDIT HOURS: 6

A study of Kant's relation to modern Rationalism and Empiricism, and an inquiry into the principles of Idealism. This course is taught in English and uses English translations.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

GERM 2550 In Pursuit of Freedom from Luther to Nietzsche I

CREDIT HOURS: 3

This is a study of major thinkers, with emphasis on Luther, Leibniz, Herder, Hamann, Kant and Schiller. This course is taught in English using English translations.

FORMAT: Seminar

PREREQUISITE: A general introduction to literature, culture or philosophy

EXCLUSIONS: GERM 2300X/Y.06

GERM 2551 In Pursuit of Freedom from Luther to Nietzsche II

CREDIT HOURS: 3

This is a study of major thinkers, with emphasis on Hegel, Schopenhauer and Nietzsche. This course is taught in English using English translations.

FORMAT: Seminar

PREREQUISITE: A general introduction to literature, culture or philosophy

EXCLUSIONS: GERM 2300X/Y.06

GERM 2600X/Y 'Freiheit'. Freedom in German Literature and Thought I

CREDIT HOURS: 3

In contrast to other European literatures of the 18th century with their utilitarian and moralistic aims, the German Sturm und Drang movement puts the individual into the centre. A secular society demands a new conception of man ("Mensch") liberated from God and the gods. As a consequence, the traditional view of man inherited from Aristotelian poetics is replaced by characters who shape their own destiny. A new myth of a defiant Prometheus is created by Goethe. German idealism formulates a new theory of freedom which was summed up by Kant in the categorical imperative. Goethe's *Iphigenie* illustrates the humanism of the epoch. The ultimate freedom, however, can only be achieved in the artistic realm. Again, Goethe provides the model in his *Divan*. Texts by J.M.R. Lenz, Goethe, Schiller, Winckelmann, Kant, and others will be read. Translations will be offered. Language of instruction: English. This course should appeal to students interested in the history of ideas.

FORMAT: Lecture

GERM 2601 'Freiheit'. Freedom in German Literature and Thought II. 19th and 20th century

CREDIT HOURS: 3

Goethe's *Divan* opens our discussion, Goethe follows the Persian poet Hafiz to the Orient. There he finds freedom of the imagination which enables him to ignore the

reality of the Napoleonic wars. Goethe's avoidance of reality became the role model for the Symbolist movement. The German Romantics placed a writer's imaginative capacity ("Fantasie") and subjectivity ("Witz" and "Ironie") higher than any concerns about objective reality. New forces, like chance ("Zufall"), counter man's perceived freedom, as is shown in the works of Henrich von Kleist. The dependence on circumstances, social structures and natural laws becomes the great topic of Realism and Naturalism. The human being without hope, faith or the chance of salvation is manifested in Büchner's works. Finally, the existential crisis of modern man finds its most representative expression in the works of Franz Kafka. Texts by Goethe, Gautier, Kleist, Büchner, Kafka and others will be read in the original. English translations will be provided. Language of instruction: English, This course should appeal to students interested in the history of ideas. Attendance of Part I is not a prerequisite.

FORMAT: Lecture

GERM 2650X/Y Modern German Philosophy

CREDIT HOURS: 6

This course provides a survey of the German philosophical tradition from the enlightenment to the present. Students will gain a broad overview of the German intellectual history through focused readings of the theoretical texts. This course is taught in English using English translations.

FORMAT: Lecture| Tutorial

CROSS-LISTING: PHIL 2650.06

GERM 2651 Modern German Philosophy I

CREDIT HOURS: 3

This course looks at the history of German philosophy from the Enlightenment to the End of German Idealism. Part one examines the early history of German philosophy, focusing on German Idealism. Students will gain a broad overview of German intellectual history through focused readings of key texts. The goal is to understand how the ideas formed in this tradition contribute to both the core philosophic disciplines (such as metaphysics, epistemology and moral philosophy) as well as other fields (like history, aesthetics, psychology, and political thought). Our focus will be on the construction of the free autonomous subject—the basis for our understanding of democratic institutions.

FORMAT: Lecture| Seminar

CROSS-LISTING: PHIL 2651.03

EXCLUSIONS: GERM/PHIL 2650X/Y.06

GERM 2652 Modern German Philosophy II

CREDIT HOURS: 3

This course looks at the history of German philosophy from German Idealism until today. In particular, the focus will be on the radical philosophical movements of the 19th and 20th centuries. Students will gain a broad overview of German intellectual history through focused readings of key texts. The goal is to understand how the ideas formed in this tradition contribute to both the core philosophic disciplines (such as metaphysics, epistemology and moral philosophy) as well as other fields (like history, aesthetics, psychology, and political thought). The focus will be on how critiques of the free autonomous individual—constructed in the context of German Idealism—effect the political institutions of the 19th and 20th centuries.

FORMAT: Lecture| Seminar

COREQUISITE: PHIL 2652.03

CROSS-LISTING: PHIL 2562.03

EXCLUSIONS: GERM/PHIL 2650X/Y.06

GERM 3000X/Y Advanced German

CREDIT HOURS: 6

Translations, readings, essays and discussions will promote fluency in the language on the advanced level.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 3001 Advanced Spoken German I

CREDIT HOURS: 3

This course aims to develop the oral proficiency and fluency of advanced students. We will improve pronunciation, practise discussion skills and idiomatic expression, build vocabulary, memorize set phrases and practise listening comprehension. Audio-visual materials will be used. Students' active participation is essential in this course (Non-native speakers only).

FORMAT: Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 3002 Advanced Spoken German II

CREDIT HOURS: 3

This course builds on German 3001. In this half of the course, we will continue to work on improving pronunciation and intonation, to expand vocabulary and practise sentence and conversational structures. We will especially focus on increasing fluency and confidence in conversational interaction. Students' active participation is essential in this course (Non-native speakers only).

FORMAT: Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 3010 Advanced Translation I: German - English

CREDIT HOURS: 3

German texts of various kinds are used to deal with techniques and problems of translating from German into English. The course includes discussion of translation theories, elements of style and questions of ambiguity and textual redundancy.

FORMAT: Seminar

PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 3011 Advanced Translation II: English - German

CREDIT HOURS: 3

English texts of various kinds are used to deal with the techniques and problems of translating from English into German. The course includes discussion of translation theories, elements of style and questions of ambiguity and textual redundancy.

FORMAT: Seminar
PREREQUISITE: GERM 2000X/Y.06 or equivalent

GERM 3050X/Y German Reading

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

GERM 3051 German Reading III

CREDIT HOURS: 3

This is a seminar at the advanced level which offers readings outside our normal program offerings. Please consult departmental advisor.

FORMAT: Seminar

PREREQUISITE: Any 2000-level course

GERM 3052 German Reading IV

CREDIT HOURS: 3

This is a seminar at the advanced level which offers readings outside our normal program offerings. Please consult departmental advisor.

FORMAT: Seminar

PREREQUISITE: Any 2000-level course

GERM 3055X/Y Goethe's Faust

CREDIT HOURS: 6

A close reading of Goethe's *Faust*, comparing the German original and an English translation, will give rise to questions about translation techniques, the theory of drama and the reshaping of a legend. While Goethe's masterpiece stands at the centre, other German versions of the Faust legend will also be discussed in detail. Assignments will involve research into later echoes of the Faust legend as well. The language of instruction is English but the texts are in German.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: GERM 1010X/Y.06 or a reading knowledge of German

EXCLUSIONS: GERM 2150.06

GERM 3100X/Y German Literature and Thought from Reformation to Enlightenment

CREDIT HOURS: 6

A study of German literature between the 16th and 18th centuries as a direct reflection of the important religious, social and philosophical developments after the Reformation and during Absolutism.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 3120 Origins of Comparative Religion from Hegel to Nietzsche

CREDIT HOURS: 3

Comparative Religion was an invention of lecturers at the University of Berlin from 1810. Religious doctrines and cults were assessed according to the Christology of German Idealism. The beginning is Hegel's 1827 Lectures on Religion; the criticisms of Schopenhauer, D.F. Strauss, Feuerbach and Kierkegaard shall lead us to Nietzsche's "Anti-Christ."

FORMAT: Lecture| Tutorial| Seminar

CROSS-LISTING: RELS 3120.03

GERM 3150X/Y Goethe and the Enlightenment

CREDIT HOURS: 6

A study of German literature and thought of the time which preceded and witnessed the great revolutions of the 18th century.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 3200X/Y Goethe and Romanticism

CREDIT HOURS: 6

A study of Goethe, Novalis and F. Schlegel.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 3240X/Y Literature of the 19th Century

CREDIT HOURS: 6

A discussion of essential literary texts which throw a critical light on the growing forces of materialism and positivism.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 3250X/Y Modern German Literature

CREDIT HOURS: 6

Modern authors as witnesses of the philosophical and social changes of our century: a study of selected prose texts of Hugo von Hofmannsthal, Franz Kafka, Arthur Schnitzler and Thomas Mann. The language of instruction is English and German, as needed; the texts are in German.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 3300X/Y History of German Poetry

CREDIT HOURS: 6

The poems we shall read represent the stations of the modern mind. We shall begin with the 17th Century; we shall end with the 20th century.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06 or GERM 2400X/Y.06 or another literature course

GERM 3400X/Y Germany and Europe: The Cultural Union

CREDIT HOURS: 6

Modern German literature is shaped by the orient (*Les mille et une nuits 1704-1717*), by Winckelmann's discovery of Greek sculpture and the reception of Shakespeare and Milton in the mid 18th century. The Sturm und Drang movement used the works of Shakespeare as its inspiration to create a radical anti-Aristotelian concept of drama and of man. Writers of this period created an "open form" of drama which foreshadowed the plays of Büchner and Brecht. The new concept of man spread throughout Europe, becoming the basis for European Romanticism. German Romanticism, however, is quite different from its European counterparts; its influence is felt by European Symbolists like Baudelaire and Mallarmé. This course aims to study the interconnectedness of the European national arts and literatures. A reading knowledge of German, French and English is required.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, 2400X/Y.06 or other German literature course at the 2000 level

GERM 3450 Confronting Fascism

CREDIT HOURS: 3

This course focuses on German writers, artists, filmmakers, and intellectuals whose work impacted and was impacted by the rise of fascism in the 20th century.

FORMAT: Lecture| Tutorial

CROSS-LISTING: POLI 3449.03 and HIST 3059.03

GERM 3550 Germany and the Environment

CREDIT HOURS: 3

In this course we will study the ever-changing ideas of nature and the environment in German culture from the 18th century to today. The seminar will be conducted in English. All readings will be in English.

GERM 3650X/Y History and Theory of the German Novel

CREDIT HOURS: 6

Representative works from the Baroque Age to the 20th Century are studied and the principles of the genre discussed. The language of instruction is English and German, as needed; the texts are in German.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06 or GERM 2400X/Y.06 and another literature course

GERM 3750X/Y Modern German Drama

CREDIT HOURS: 6

An historical study of modern German Drama from the 1770s to the twentieth century. Works by J.M.R. Lenz, J.W.v. Goethe, H.V. Kleist, G. Büchner, G. Hauptmann, E. Toller, B. Brecht and B. Strauß will be discussed. The notion of Freedom (Freiheit) and its apparent impossibility in the nineteenth and twentieth century is central.

The texts are read in English translation with the German originals as back-up.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CROSS-LISTING: THEA 3751X/Y.06

GERM 3850 The End of the World: The Apocalypse in German Thought

CREDIT HOURS: 3

The war, death and destruction that define European history in the 20th century can only begin to explain the obsession with the apocalypse in contemporary German thought. In this seminar we will study the secular appropriation of apocalyptic imagery from the Judeo-Christian tradition.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 3202.03

RESTRICTIONS: Restricted to students in 2nd year or above.

GERM 4100X/Y Aesthetics and Poetics

CREDIT HOURS: 6

An historical study of the development of aesthetic theory. Aristotle's "*Poetik*", Lenz's "*Anmerkungen uebers Theater*" Hegel's "*Ästhetik*", Heidegger's "*Ursprung des Kunstwerkes*" and Gadamer's "*Aktualität des Schönen*" will be studied.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06 or GERM 2400X/Y.06 and another literature course

GERM 4200X/Y Seminar on Hegel's Phenomenology of Spirit

CREDIT HOURS: 6

The Phenomenology of Spirit, published in 1807, was Hegel's first major work. He intended to write an introduction to philosophy by demonstrating the necessity of the advance from the most immediate form of knowledge to absolute knowledge. To achieve this he had to write the Phenomenology as an introduction to his own philosophy.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: GERM 2200X/Y.06, GERM 2400X/Y.06 or other German literature course at the 2000-level

GERM 4250X/Y Studies in German Idealism

CREDIT HOURS: 6

This seminar is specifically intended for students in the 20-credit major and 20-credit honours degree programs. The specific content of the seminar varies from year to year, but is always related to some aspect of Idealism.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

GERM 4500 Special Topics Class I

CREDIT HOURS: 3

This is an intensive research seminar dealing with selected topics to be announced.

GERM 4501 Special Topics Class II

CREDIT HOURS: 3

This is an intensive research seminar dealing with selected topics to be announced.

GERM 4600X/Y Special Topics Class

CREDIT HOURS: 6

This is an intensive research seminar dealing with selected topics to be announced.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

History

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1158

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Halifax, NS B3H 4R2

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Introduction

Just as people need to know who they are and how they arrived where they are, groups, courses, states and nations need a sense of their own past as part of their culture.

The academic study of history, therefore, is concerned to discover as much as possible of the reality of the past and to interpret human behaviour in its changes through time. It is a unique subject, scientific in the way it uses evidence, but still an art because the reconstruction of the past requires a disciplined imagination and an effective rhetoric for the communication of meaning.

The contemporary world is one of intensive specialization, in which the varieties of human knowledge have increased well beyond the capacity of any individual to command them all. These developments have reinforced the role of history as the foundation of a person's education, because history can never draw frontiers around itself to exclude any branch of human knowledge, although individual historians will want to select that portion of it especially relevant for them. History's field of study will always be the entirety of the human experience.

The subject of history does not have a monolithic body of knowledge. Historical understanding is a matter of interpretation, of offering explanations for events and movements which are subject to constant revision by scholars. Arguments, scepticism and controversy are thus the very stuff of history. The history student does not merely acquire a particular mass of information, but learns to think independently.

Especially in the 3000 and 4000 level courses, students gain more than sophistication about substantive areas of history. They also develop transferable skills for oral and written communication, for presentations of findings to groups, for group and independent research, for computer literacy in the human sciences, for research skills in primary and secondary materials, and for the application of foreign languages.

A degree in history provides an appropriate background for students planning to enter professional careers in fields such as law, education and journalism, as well as those interested in pursuing graduate study in history or related social science and humanities disciplines.

Degree Programs

All BA programs are governed by the general requirements of the College of Arts and Science for degrees, as set out in the University Calendar. See the Degree Requirements section for complete details, particularly with respect to Distribution Requirements, the Writing Course, the Language Course, and Arts and Science Electives. Before registering for the second year, each student in the College of Arts and Science must declare a subject of concentration. Once a student has declared History as the subject of concentration, then the following degree programs apply.

Courses in the History Department are grouped numerically in several geographical, chronological, subject and other areas: for example, Canadian, American, British, African, Medieval and Early Modern European, Modern European, Science and Technology, etc. Students are strongly encouraged to select a distribution of courses from different areas in order to experience the variety and richness of history.

Students who wish to build up a greater specialization in history than the minimum requirements outlined below may do so by taking courses of an historical nature given by the Departments of Classics, Economics, Music, Philosophy, Political Science, Spanish and Latin American Studies, Theatre, etc.

History students interested in obtaining an Emphasis in Canadian Studies along with their Major or Minor in History should consult the Canadian Studies calendar entry for information on requirements and for a list of History courses approved with Canadian Studies.

Students who wish to concentrate in a particular area of history should acquire the appropriate language skills, especially if they intend to pursue graduate study in it.

The following outline presents the MINIMUM departmental requirements for each program and should be read in conjunction with the general requirements of the Faculty.

Students planning to take a minimum of 30 credit hours in History (above the 1000 level) are required to choose at least three credit hours above the 1000 level in each of four categories (A, B, C and D). See <http://www.history.dal.ca> for course selection.

(Note: This requirement applies to students who start their BA degree in Fall 2014 and after.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Kynoch, G. (902 494-3667)

Undergraduate Coordinator

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Professors Emeriti

Crowley, J. E., AB (Princ), MA (Mich), PhD (Johns Hopkins) (Munro Professor of History)

Flint, J. E., MA (Cantab), PhD (London), FR HistS, FRSC

Pereira, N. G. O., BA (Williams), MA, PhD (UC Berkeley)

Traves, T., BA (Manitoba), MA, PhD (York), President Emeritus, Dalhousie University

Waite, P. B., MA (UBC), PhD (Toronto), FRSC

Professors

Bell, C., BA (Calgary), MA (London), PhD (Calgary)

Hanlon, G., MA (Toronto), Dr.de 3e cycle (Bordeaux), University Research Professor

Kesselring, K., BA, MA (Dalhousie), PhD (Queen's)

Neville, C. J., BA, MA (Carleton), PhD (Aberdeen) FRHistS. FSA Scot. George Munro Professor of History and Political Economy

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Tillotson, S. M., BIS (Waterloo), MA, PhD (Queen's)

Associate Professors

Bannister, J., BA (Memorial), MA, PhD (Toronto)

Ghazal, A., BA (Beirut), MA, PhD (Alberta)

Kozlov, D., BA (Herzen Russian State Pedagogical Univ.), MA (Mass. Amherst), PhD (Toronto)

Kynoch, G., BA, BEd (Queen's), MA, PhD (Dalhousie)

Mitchell, C., BA (Regina), MA (McGill), PhD (Toronto)
Pekacz, J., MA (Jagiellonian), PhD Musicology (Polish Academy of Sciences), PhD History (Alberta)
Riley, P., BA, MA, PhD (UC Berkeley)
Roberts, J., BA (Simon Fraser), MA (Queen's), PhD (Johns Hopkins)
Zachernuk, P., BA, MA (Dalhousie), PhD (Toronto)

Assistant Professors

Bingham, J., BA (UNB), MA (Toronto), PhD (York)
Bleasdale, R., BA, MA, PhD (Western)
Corke, S. J., BA, MA (Guelph), PhD (UNB)
Holmlund, M., BA (Saskatchewan), MA (Reading), PhD (Cantab)
McCallum, T., BA (Queen's), MA (Simon Fraser), PhD (Queen's)

BA (120 credit hour) Honours in History

The Honours degree is intended for students who plan to proceed to graduate work and for others who wish to enjoy the experience of an intensive research project, the Honours essay. Students must complete the requirements for the BA with major in History and fulfil the following additional requirements:

- Honours students must take at least 54 but not more than 66 credit hours in History beyond the 1000 level.
- Honours students must take HIST 4990X/Y.06, (the Honours essay), HIST 4986.06, (The Varieties of History) and at least one three credit hour 4000-level seminar in History.
- Applicants normally should have achieved an existing Grade Point Average of at least 3.3 in their History courses above the 1000 level to be considered for admission.
- A grade of B- or better is required on 54 credit hours in History
- A grade of B- or better is required on the honours thesis

NOTE: Applications for Honours in History are not considered by the Department until the winter term of the student's third year. Please enquire at the Department for the relevant deadline.

BA (120 credit hour) Combined Honours including History

Besides the general requirements for all BA programs, students must meet the Faculty degree requirements for Combined Honours (120 credit hours). Students must take 66 to 84 credit hours in two subjects beyond the 1000-level, with no more than 48 nor fewer than 30 credit hours in either of them. Students must complete 12 credit hours at the 3000/4000 level in both Honours subjects. A grade of B- or better is required in at least 24 History credit hours.

BA (120 credit hour) Major in History

The 120 credit hours Major requires more advanced training in History than does the three year degree. Besides the general degree requirements for all BA degrees, students majoring in History are required to take at least 36 but not more than 54 History credit hours beyond the 1000 level.

- At least 18 of these History credit hours must be above the 2000 level.
- Within the last 90 credit hours, students must take at least six credit hours in each of two subjects other than History.
- BA Majors in History must take at least three credit hours 4000 level seminar in History

BA (120 credit hour) Double Major including History

Besides the general requirements for all BA programs, students must meet the Faculty degree requirements for the BA with Double Major, which include 60 to 84 credit hours in the major subjects beyond the 1000 level, with no more than 48 nor fewer than 30 credit hours in either subject. Students must complete at least 12 credit hours above the 2000 level in each major subject. Within the last 90 credit hours, students must complete six credit hours in a single subject other than the two major subjects. If History is the primary subject for the Double Major, students are required to take at least three credit hours 4000 level seminar in History.

BA (90 credit hour) Minor in History

See the Minor in History section of this Calendar

Types of Courses

1000 level courses take broad geographic perspectives over long periods of history to provide a background to many subsequent History courses. 2000 level courses typically deal with countries and transnational regions over a couple of centuries. 1000 level courses typically use textbooks for readings and assume no prior university-equivalent preparation; second-year courses typically assign academic books and articles and assume that students have the skills typically developed in the first year of university study. At the 1000 and 2000 levels, courses are lecture format, three hours per week, with tutorials featured in some courses. 2000 level courses begin more specialized study of an area of History as a major or minor.

3000 and 4000 level courses provide opportunities for the intensive pursuit of interests developed in previous courses. The relatively small size of 3000 level courses (usually 30 students) allows intensive discussion of demanding primary materials and secondary publications, as well as students' presentation of their independent work. 4000 level courses are taught in a seminar format to cultivate students' independent research skills; undergraduate enrolments are limited to 15 or less; some are cross-listed as graduate courses. These courses are particularly recommended for Honours students and prospective Honours students.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

HIST 1004X/Y Introduction to European History

CREDIT HOURS: 6

This course will introduce students to the major themes and events in European history, from the end of the Roman Empire to the fall of Communism in 1990. Since the course will be taught by two course directors (one in each term), the exact period, the topics presented and the approach will vary from one year to another.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: HIST 1001.03, 1002.03, 1003.03, 1005.06

HIST 1005X/Y Introduction to European History

CREDIT HOURS: 6

This course will introduce students to the major themes and events in European history, from the end of the Roman Empire to the fall of Communism in 1990. Since the course will be taught by two course directors (one in each term), the exact period, topics presented and approach will vary from one year to another. History 1005 is formally designated as a writing course. Students complete a writing assignment once per month and also participate in weekly small-group discussion sessions, designed to complement lectures.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

EXCLUSIONS: HIST 1004.06X/Y, 1001.03, 1002.03, 1003.03

HIST 1006 The Idea of the Past and the Making of the Present

CREDIT HOURS: 3

This course examines the influence of 'the past' at various moments in history. We will explore how the human past has been used historically in order to shape contemporary action. The course surveys the history of 'history', in a sense, considering how notions of the past informed ideas and arguments about the way things should be in the present. It encourages students to think critically about the uses and abuses of historical arguments while providing a general introduction to key events and themes in history. It will also provide students opportunities to develop their writing skills.

FORMAT: Lecture| Discussion

EXCLUSIONS: HIST 1004.06, HIST 1005.06

HIST 1501 The Black Death, Silk, and the Mongols - Shock, Culture, and Awe in Medieval Eurasia (12-15th Centuries): Comparative Global History (Non-Writing Requirement)

CREDIT HOURS: 3

Global history — the study of change over long spans of time and large areas — allows us to examine questions not easily recognized in history conducted on smaller scales. The world order familiar to us — dominated by “the West” and organized by capitalist relations — contains elements both ancient and new. By comparing different cultural zones in historical periods before Europe's global dominance in the nineteenth century, this course will explore the diverse ways different cultures met

the challenges of survival, and how patterns of connection and domination were made and unmade. Select themes — including trade, transportation, ecology, and state formation — will be used to highlight pre-modern patterns of connection across the globe.

FORMAT: Lecture

EXCLUSIONS: HIST 1500.06; HIST 1503.03

HIST 1502 Origins of Modern Global Society: Non-Writing Requirement

CREDIT HOURS: 3

The contemporary world is both intricately connected and intensely confusing. To make some sense of the global stage on which we now live, historians have recently redoubled their efforts to explore the development of these connections, especially since the eighteenth century. This course follows some of these explorations, attempting to understand the nature and impact of Europe's economic expansion, and how diverse cultures around the world experienced modern social and economic forces. Understanding the complex flows of such things as nationalist ideas, labour migrations, disease epidemics, and imperial control helps reveal the ties which bind us together.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 1500.06; HIST 1504.03

HIST 1503 The Black Death, Silk, and the Mongols - Shock, Culture, and Awe in Medieval Eurasia (12-15th Centuries): Comparative Global History (Writing Requirement)

CREDIT HOURS: 3

Global history — the study of change over long spans of time and large areas — allows us to examine questions not easily recognized in history conducted on smaller scales. The world order familiar to us — dominated by “the West” and organized by capitalist relations — contains elements both ancient and new. By comparing different cultural zones in historical periods before Europe’s global dominance in the nineteenth century, this course will explore the diverse ways different cultures met the challenges of survival, and how patterns of connection and domination were made and unmade. Select themes — including trade, transportation, ecology, and state formation — will be used to highlight pre-modern patterns of connection across the globe.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 1501.03

HIST 1504 Origins of Modern Global Society: Writing Requirement

CREDIT HOURS: 3

This course is a parallel course to HIST 1502, a first-year introduction to the Origins of Modern Global Society and satisfies one half of the writing requirement component for all Dalhousie undergraduate students (students will need an additional half credit in another approved course to satisfy fully the writing requirement). The course introduces students to the major events and developments in modern global history and how they shaped twentieth century societies, especially in the non-Western world. The focus will be on colonial encounters and the subsequent developments.

EXCLUSIONS: HIST 1502.03

HIST 1510 The History of the Future: How Visions of the Future Have Shaped History Around the World

CREDIT HOURS: 6

Climate change, among other prospects, clouds our future. But visions of the future have bewitched, enchanted, and troubled human dreams for millennia. This class explores diverse moments of doubt, desire and dread across global history when oracles, artists, believers and popular leaders projected hopes and fears into near and distant futures. It explores how prophecies of the world's end reordered the world instead, how promises of impending perfection sometimes generated quite opposite results. This class asks how the future is used to shape the present.

NOTES: Meets Writing Requirement

FORMAT: Lecture

LECTURE HOURS PER WEEK: 6

HIST 1701 History of the Americas: From Pre-Contact to the Revolutionary Era

CREDIT HOURS: 3

The course explores the history of the Americas from Pre-Columbian times to the early nineteenth century. The course considers indigenous people before 1492, conquest and colonialism, as well as slavery, religion, gender, warfare and revolution. This course provides a background for understanding contemporary Canada, the United States, and Latin America.

FORMAT: Lecture

EXCLUSIONS: HIST 1862X/Y.06, HIST 1867X/Y.06

HIST 1702 History of the Americas: from the Revolutionary Era to the Present

CREDIT HOURS: 3

This course explores the history of the Americas from the early nineteenth century to the present. It traces the rise of new nation-states as they evolved from colonies to global powers, amid continental expansion and settlement, political experiments, waves of immigration, and international conflicts. We will encounter people, places and events that have shaped contemporary Canada, Latin America, and the United States. In the process, we will see some of the different ways historians have put together stories of the past. Themes vary from year to year; please see the timetable for specifics.

FORMAT: Lecture

EXCLUSIONS: HIST 1862X/Y.06, HIST 1867X/Y.06

HIST 2001 Early Medieval Europe

CREDIT HOURS: 3

An investigation of the period between the fourth and the twelfth centuries. Major themes of lectures and tutorials include the mingling and exchange of Roman traditions with the Barbarian cultures in the fifth and sixth centuries, the creation of the successor states of Europe following the disintegration of the Carolingian Empire, the development of monasticism, church-state relations, the rise of papal government, the twelfth-century Renaissance, peasant life and popular culture. Original sources in translation are used to familiarise students with the medieval world view.

FORMAT: Lecture| Tutorial

HIST 2002 Later Medieval Europe

CREDIT HOURS: 3

A study of the period beginning with the crusades, and ending with the emergence of the early modern European states. After a preliminary introduction to the nature of medieval society at the end of the twelfth century attention is turned to a variety of themes: political, social, cultural, economic and religious. Topics examined include

church-state relations, heresy, peasant life and peasant rebellions, chivalry, political thought, varieties of medieval law, literature, and the concept of decline, or the "autumn" of the Middle Ages. Students make use of original sources in translation.

FORMAT: Lecture| Tutorial

HIST 2003 The Fall of the Roman Republic

CREDIT HOURS: 3

See course description for CLAS 2205.03 in the Classics section of this calendar.

HIST 2006 The Atlantic World, 1450-1650: European Colonization of the Americas

CREDIT HOURS: 3

The commercial and colonial expansion of Europe into the Americas. Topics of particular interest are the relations of Europeans and indigenous peoples, the ecological consequences of colonization, the use of unfree labour, the role of technology, the establishment of settler colonies, the effect of overseas communication on European culture, and the role of colonial expansion in the development of the world economy. RECOMMENDED: HIST 1004X/Y.06, 1501.03, 1701.03, 1702.03

FORMAT: Lecture| Discussion

HIST 2007 The Atlantic World, 1650-1800: European Empires in the Americas

CREDIT HOURS: 3

The development of the European colonial societies after their initial settlement and the establishment of their staple economies in the sixteenth and seventeenth centuries. The topics of chief interest are the predominance of colonial trade in Europe's large-scale commerce, the role of the colonies in European conflicts, the renewal of exploration, the development of the colonies' internal economies, and their revolts against European rule. RECOMMENDED: HIST 1004X/Y.06, 1501.03, 1701.03, 1702.03, 2006.03

FORMAT: Lecture| Discussion

HIST 2012 Eighteenth-Century Europe: Politics, Society and Culture

CREDIT HOURS: 3

The course explores the major political, social, intellectual and artistic developments of eighteenth-century continental Europe. Topics of special interest will include: the emergence of the great powers; property, the underprivileged and reform; literacy and education; art and culture; religious observance and beliefs; the Enlightenment; and the crisis of the old order leading to the French Revolution.

FORMAT: Lecture| Discussion

PREREQUISITE: RECOMMENDED: HIST 1004X/Y.06

HIST 2014 First World War: How It Changed Our World

CREDIT HOURS: 3

This course examines the legacy of the First World War from a variety of national, regional, global and thematic perspectives. Topics for discussion will include the impact of the First World War on: the international system; colonial empires; Europe, the Middle East, Africa and Asia; and art, film and literature. Lectures will also explore how different nations experience the war through an examination of the 'home fronts', popular culture, memory, commemoration, and nation-building throughout the British Commonwealth and states such as Germany, Russia, Turkey, and the United States.

HIST 2015 War and Society in Early Modern Europe, 1550-1750

CREDIT HOURS: 3

The course deals with the presence of war in European societies, and how states and societies adapted and transformed under the impetus of the desire to achieve victory against an adversary. Among specific topics the course will deal with the transformation of tactics and technology on land and sea; the creation of modern tax systems; problems of supply and recruitment; ideologies of the military function; the creation of standing armies; the impact of hostilities on society.

FORMAT: Lecture| Tutorial

HIST 2016 The Classical Greek World: Athens, Sparta and a Century of Conflict

CREDIT HOURS: 3

See course description for CLAS 2215.03 in Classics section of this calendar.

HIST 2017 The Roman World from Constantine to Theodosius (AD 313-395)

CREDIT HOURS: 3

See course description for CLAS 2209.03 in the Classics section of this calendar.

HIST 2018 The Transformation of the Roman World (AD 395-565)

CREDIT HOURS: 3

See course description for CLAS 2211.03 in the Classics section of this calendar.

HIST 2019X/Y Early Modern Europe, 1450-1650

CREDIT HOURS: 6

A detailed and comprehensive survey of the principal topics in European history from the Italian Renaissance and the Christian Reformations, to the end of the great conflicts in the mid-seventeenth century. The course will proceed in roughly chronological progression, to examine in turn Italy, Spain and Portugal, France, the Netherlands, Germany and the Empire, the Christian kingdoms of eastern and northern Europe, and the European territories of the Turkish Ottoman Empire.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

HIST 2021 Soviet Russia

CREDIT HOURS: 3

Survey of Soviet Russia from 1917 to the present. Topics discussed will include the Revolution of 1917, the Civil War and War Communism, NEP, Collectivization, the Great Purges, WWII, and the Post-Stalin era.

FORMAT: Lecture| Tutorial

CROSS-LISTING: RUSN 2023.03

EXCLUSIONS: HIST 2020X/Y.06, RUSN 2021X/Y.06

HIST 2022 Imperial Russia

CREDIT HOURS: 3

Chronologically covers the imperial period of Russian history, from Peter the Great to the Revolution of 1917.

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 2022.03

EXCLUSIONS: HIST 2020X/Y.06, RUSN 2021X/Y.06

HIST 2023 Roman Legions and the Barbarians

CREDIT HOURS: 3

See course description for CLAS 2233.03 in the Classics section of this calendar.

FORMAT: Lecture

CROSS-LISTING: CLAS 2233.03

HIST 2032 Twentieth Century Germany

CREDIT HOURS: 3

Across two catastrophic world wars and a revolution, as empire, quasi-socialist republic, Cold War outpost, and the showplace for the end of Communism, Germany's history has embodied to an unparalleled extent the "age of extremes" in the twentieth century. The course explores the historical dimensions of these events and their resonance today.

FORMAT: Lecture

EXCLUSIONS: HIST 2030.06X/Y

HIST 2041 France from the Revolution to the Great War

CREDIT HOURS: 3

The course examines the long nineteenth century in France and its interpretations. The themes include: the legacy of the French Revolution, social structure and divisions, religion, education, crime and punishment, gender issues, intellectual and artistic developments. No French required.

FORMAT: Lecture| Discussion

PREREQUISITE: RECOMMENDED: HIST 1004X/Y.06

EXCLUSIONS: HIST 2040X/Y.06

HIST 2042 Capital of Europe: Paris in the Nineteenth Century

CREDIT HOURS: 3

In the 19th century, Paris became the most liberal capital city in Europe, the centre of literary and artistic activity, the capital of fashion and style, and the site of a spectacular reconstruction of urban infrastructure. The course examines the key political, cultural, artistic and urban developments that contributed to this reputation.

COURSE FREQUENCY: Yearly

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Recommended: HIST 1004

HIST 2049 The First World War: Causes and Campaigns

CREDIT HOURS: 3

This course will examine the origins and course of the First World War on a thematic basis, concentrating on the military, diplomatic, political and economic aspects of the conflict. Lecture topics will include: the origins of the war and the July crisis; grand strategies in peace and war; the Western Front and trench warfare; the Dardanelles and Gallipoli campaigns; the Eastern Front; economic mobilisation; the war at sea and in the air.

HIST 2055 War and Society since 1945

CREDIT HOURS: 3

This course examines the role of war, the development of military forces, and the changes in the international balance of power since 1945. Topics of discussion will include the Cold War; decolonization; "superpowers", military alliances, and the "Third World"; nuclear weapons and deterrence theory; terrorism, guerrilla warfare, and counter-insurgency; developments in conventional forces; war in Algeria, Indo-China, Korea and the Middle East.

FORMAT: Lecture

HIST 2060X/Y The Civilization of Baroque Italy

CREDIT HOURS: 6

A descriptive introductory survey of Italy from the late Renaissance to the French Revolution. Lectures and tutorials will feature a broad array of original sources in translation and numerous images. Taught in English.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CROSS-LISTING: ITAL 2101X/Y.06

EXCLUSIONS: HIST 2061.03

HIST 2061 Civilization of Baroque Italy

CREDIT HOURS: 3

This is a scaled-down version of 2060X/Y.06, and studies Italy at the time of its greatest influence on Western civilization. The course examines Italy's politics, its vibrant urban and rural societies, the place of Catholicism in its cultural and intellectual life, and the innovative early modern economy, all before the great crisis of the 1620s. Open to first-year students.

FORMAT: Lecture| Tutorial

CROSS-LISTING: ITAL 2061.03

EXCLUSIONS: HIST 2060.06

HIST 2065 Evolving Spain: History, Culture, Society

CREDIT HOURS: 3

Please see the description for SPAN 2100 in the Spanish and Latin American Studies section of the Calendar

HIST 2074X/Y Knowing and Making the World: the history of science from the ancients to the moderns

CREDIT HOURS: 6

See course description for HSTC 1200X/Y.06 in the History of Science section of this calendar.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

HIST 2081X/Y Twentieth-Century Europe in Literature, Art and Film

CREDIT HOURS: 6

A survey of contemporary European history that employs representative works of literature, art, architecture and film as well as traditional published records and monographic accounts to introduce students to major events of the twentieth century: the two world wars, the Russian Revolution, the political systems of Italian Fascism, German Nazism and Soviet Communism, the Holocaust and others. RECOMMENDED: HIST 1004.X/Y.06

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

RESTRICTIONS: Restricted to students in their second year or higher.

EXCLUSIONS: HIST 2082.03

HIST 2088 The Roots of Greek Civilization: From Crete and Troy to the Rise of Athens

CREDIT HOURS: 3

See course description for CLAS 2214.03 in the Classics section of this calendar.

HIST 2089 Alexander the Great and the Hellenistic Kings: Transforming the Ancient East and West

CREDIT HOURS: 3

See course description for CLAS 2216.03 in the Classics section of this calendar.

HIST 2090 The Rise of Rome: Consuls, Classes, and World Conquest

CREDIT HOURS: 3

See course description for CLAS 2231.03 in the Classics section of this calendar.

HIST 2091 The Fall of Rome: Caesars, Saints, and Warlords

CREDIT HOURS: 3

See course description for CLAS 2232.03 in the Classics section of this calendar.

HIST 2092 Death, Sex, and Gold in the Ancient Roman World

CREDIT HOURS: 3

See the description for CLAS 2234.03 in the Classics section of the calendar.

HIST 2101 Medieval England

CREDIT HOURS: 3

This course examines some of the major social, political, economic and cultural themes in English history from the late Anglo-Saxon period to the Wars of the Roses. Major topics of study include the development and maturation of the English church, the impact of the Norman Conquest on Anglo-Saxon government and society, the development of the common law system, English monasticism, constitutional struggles in the later medieval period and war with France and Scotland. In an effort to understand and appreciate more fully the culture of medieval England, detailed consideration is given to contemporary sources, in translation.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2100X/Y.06

HIST 2106 Tudor and Stuart England, 1485-1688

CREDIT HOURS: 3

A survey of the major events, personalities, and developments in sixteenth and seventeenth century English history. Topics to be covered include the religious reformation, the achievements of the Elizabethan age, colonial expansion, the civil war, and the "Glorious Revolution."

FORMAT: Lecture

EXCLUSIONS: HIST 2100X/Y.06, 2104.03, 2105.03

HIST 2111 Modern Britain to 1884

CREDIT HOURS: 3

A survey of the development of British society from the reign of George III to the late Victorian era. This course will examine the emergence of class society, movements of popular protests, political reform, the growth of empire, and cultural change.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2100X/Y.06

HIST 2112 Modern Britain from 1880 to 1980

CREDIT HOURS: 3

This course will examine the development of British society from 1884 to the present day, touching upon the experience of Britain in two world wars, the growth of the welfare state, the decline of Britain's empire and economy, the upheavals of the 1960's and 1970's and the emergence of Thatcher. RECOMMENDED: HIST 2111.03

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2100X/Y.06

HIST 2153 Scotland from the Earliest Times to the Reformation

CREDIT HOURS: 3

This course examines the factors that contributed to the making of Scotland as a British and European nation, from c. 1000 to the sixteenth-century Reformation.

Lectures examine a series of themes arranged in roughly chronological fashion, including the peoples who populated the region of North Britain around the year 1000, the coming of the Normans, urban life, relations between core and peripheral regions in the kingdom, the Scottish manifestation of the European witch-hunt, the

"problem" of the Highlands, and pre-Reformation religious, social and political life. Emphasis is laid on the distinct social and cultural developments of the northern kingdom in contrast to its larger neighbour, England. In an attempt to appreciate more fully the civilization of this long period the reading of contemporary documents (in translation) constitutes an integral aspect of the course.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2151.03 and 2152.03

HIST 2205 Historical Issues in Indigenous Studies

CREDIT HOURS: 3

This course is an interdisciplinary introduction to the history of encounters and relationships between indigenous peoples and European settlers in Canada. Topics may include treatise, colonial policy, residential schools, child welfare, resettlement, and the Indian Act. This course provides the necessary background to understand contemporary Indigenous issues.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 2050.03

HIST 2207 Aboriginals and Empires: Canada's Origins to 1763

CREDIT HOURS: 3

This course explores Canada's origins to 1763. It covers the history of First Nations peoples before and after the arrival of Europeans. It addresses themes such as the role of the physical environment; the fur, fish, and timber trades; and the imperial struggle for dominance in North America. While the lectures will narrate the major developments in the seventeenth and eighteenth centuries, the tutorials will focus on specific issues, such as the role of treaties in Canadian history. The course climaxes with the Conquest of Quebec and the end of the Seven Years War.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CANA 2207.03

HIST 2208 Patriots, Rebels, Refugees: Canada's Roots in the Age of Revolution, 1763 to 1860

CREDIT HOURS: 3

As empires continued their international contest and Britain fought to maintain colonies within North America, old and new inhabitants of what would become Canada also wrestled with questions concerning who would exercise power within their communities and governing bodies. In the process they gave new and, at times, conflicting answers to old questions: What did it mean to be a patriot? Who and what were they willing to defend? Who and what were they prepared to resist? Immigrants, exiles and the refugees of European and North American wars shaped new homelands, even as the First Nations peoples became refugees within their own lands. In this course we explore the related questions of loyalty and conscience through the diaries and letters of men and women defining their place in a new order.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CANA 2208.03

HIST 2209 Making a Nation: Canada, 1860-1929

CREDIT HOURS: 3

This is the story of how British North America was transformed into a distinct nation-state for the twentieth century. We'll see how a young Canada grappled with geographical, political, and social challenges: acquiring enormous territories amid growing provincial differences; maintaining loyalties to Empire while developing a New World identity; reconciling new and diverse cultural communities; and mobilizing for war.

CROSS-LISTING: CANA 2209.03

HIST 2210 Many Canadas: Canada, 1930 to the present

CREDIT HOURS: 3

This course explores the remaking of Canada, including the shift from imperial to continental and nationalist politics, the rise and transformation of third-party political movements, and the emergence of new ideas about the rights and responsibilities of the liberal individual subject.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CANA 2210.03

HIST 2211 Social History of Canada before 1870

CREDIT HOURS: 3

This course examines the social history of pre-Confederation Canada through such topics as social control, violence and protest, women and domestic life, regionalism and marginal peoples, and the transformation of the economy.

CROSS-LISTING: CANA 2211.03

EXCLUSIONS: HIST 2210.03

HIST 2212 Social History of Canada since 1870

CREDIT HOURS: 3

This course examines the social history of Canada since Confederation through such topics as the impact of industrialization, social classes, conflict, the role of women, the state and social development, and relationships among the wide variety of social groups in Canada.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CANA 2212.03

EXCLUSIONS: HIST 2210.03

HIST 2221 Rough Justice - Order, Disorder and Canadian Popular Culture to the 1890s

CREDIT HOURS: 3

This course investigates the character of popular culture, investigating forms of community control and ideas of order among different classes and cultures, beginning with aboriginal societies at the time of contact, through the revolutionary era, to the Victorian period and the first decades of Canada's nationhood. The sexual tensions of frontier towns, drunken revelry and riot, the smallpox, religious and revolutionary passions, and other sources of disorder (and the evolution of the means of making order) feature in this exploration of Canadian history's most dramatic passages.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 3241.03, 3242.03, 3280.03, 3281.03

HIST 2222 Rough Justice - Order, Disorder and Canadian Popular Culture, 1890s to the Present

CREDIT HOURS: 3

This course continues the themes explored in History 2221, setting out the context within which legislation related to popular culture and leisure pastimes evolved from the 1890s into the present. Included are the regulation of alcohol, drug and tobacco consumption, sexual mores, pulp fiction and comics, sporting cultures, gambling, organized crime, and the use and abuse of animals in our redefinition of appropriate forms of recreation. **Approved with Canadian Studies.**

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 3241.03, 3242.03, 3280.03, 3281.03

HIST 2231 The Making of Modern Canada: Canadian Political History, 1896 to the Present

CREDIT HOURS: 3

This course surveys the major political developments in Canadian history since 1896. Topics to be examined include: regionalism and the emergence of third-party movements; French-English relations; federal-provincial relations; and the transformation of the liberal state in the post-1945 era.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 2231.03

EXCLUSIONS: HIST 2230X/Y.06

HIST 2235 History of Canadian Culture

CREDIT HOURS: 3

This course explores the history of Canadian culture since the mid-nineteenth century, including art, architecture, music, literature, sport, and mass media. Themes include creating a "national" culture amid regional differences, and the relationship between popular culture (heavily influenced by the United States) and "high" culture cultivated by the state.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 2235.03

HIST 2261 True Believers 1914 to Present - The Left and the Right in Canadian Politics

CREDIT HOURS: 3

The course will study the ideas and practices of Canadian political movements of the Left and the Right. We will attempt to understand why such movements have arisen and declined, and what significance they have had for Canadian politics and society. Topics will include: the Progressive movement; the CCF and NDP; Communism and Fascism; Social Credit; the radical right and the New Left; the Reform Party.

FORMAT: Lecture| Tutorial

HIST 2271 Atlantic Canada to Confederation: The Northeast in the Age of Empire, 1450-1867

CREDIT HOURS: 3

A survey of the history of Atlantic Canada (the Maritimes and Newfoundland) from the origins of human habitation to the early 1860s. Emphasis is placed on the pattern of change and conflict which, over time, forged a series of "limited identities" that gradually became elements of an emerging regional personality.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 2271.03

EXCLUSIONS: HIST 2270X/Y.06

HIST 2272 Atlantic Canada since Confederation: Regionalism, Identity, and Development, 1867-2000

CREDIT HOURS: 3

A survey of the history of Atlantic Canada (the Maritimes and Newfoundland) from the 1860s to the present. Emphasis is placed on how episodes such as the "age of sail", industrialization, class and gender conflict, war, the struggle for human rights and a chronic effort to play "catch-up" with the rest of the nation have defined this region's identity.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 2272.03

EXCLUSIONS: HIST 2270X/Y.06

HIST 2325 The Rise and Fall of the Slave-Holding Republic

CREDIT HOURS: 3

This course studies the political history of American slavery, from the formation of the United States to the American Civil War. Lectures cover the growth of American slavery, antislavery politics and abolitionism, the sectional crisis of 1850s, and the complex relationship between slavery and American democracy.

FORMAT: Lecture

HIST 2331 Creation of an American Republic: The United States, 1580-1865

CREDIT HOURS: 3

This course studies the first example of a major theme of modern history: how colonial societies become nations. When British colonization of the Americas began in the late sixteenth century, no one involved in the process intended or expected the result to be an independent republic on the other side of the Atlantic. Yet during the following two centuries of colonial history many of the crucial and distinctive features of what became the United States took shape: aggressive displacement of indigenous peoples, thoroughgoing privatization of economic resources, racial slavery, ethnic diversity, popular sovereignty, and religious pluralism. The republican revolution of 1776-1783 institutionalized these features in the new United States of America. But migration and growth, new technologies, ongoing conflict with First Nations and European states, and a new middle class culture of commerce, industry and reform increasingly strained the Union. By the mid-nineteenth century the United States faced the fate of so many post-colonial nations: irreconcilable sectional divisions.

FORMAT: Lecture

EXCLUSIONS: HIST 2330X/Y.06

HIST 2333 The Politics of Reform in Twentieth-Century America

CREDIT HOURS: 3

This course traces the domestic political history of the United States from the turn of the century to the Reagan era. Particular emphasis is placed on broad trends of change in those years: specifically, the growth of modern reform movements on American political culture. Some of the reform movements examined in the course are Populism, Progressivism, the New Deal, the civil rights movement, the women's movement, and the new student movement. **RECOMMENDED:** A survey course in U.S. history

FORMAT: Lecture

EXCLUSIONS: HIST 2330X/Y.06

HIST 2335 Modern American Culture

CREDIT HOURS: 3

American culture is so ubiquitous today that it seems almost timeless. But it has a long and tumultuous history, one that both reflects and challenges the modern history of the United States. Ranging from high culture to mass culture, this course focuses on how major changes in American history have affected American literature, American cinema, and the everyday lives of American people. Documentary and feature films supplement the lectures. RECOMMENDED: HIST 1300X/Y.06

FORMAT: Lecture| Tutorial

HIST 2340 Cold War [Hi]stories

CREDIT HOURS: 3

The course is designed to introduce students to the [Hi]stories of the Cold War. The Cold War - or the period of intense conflict between the United States and the Soviet Union - manifested, some argue, in the post World War Two era and continued unabated until approximately 1989 or 1991.

FORMAT: Lecture

EXCLUSIONS: HIST 2336.03

HIST 2350 Lies and the Lying Liars Who Tell Them; A Slightly Unbalanced Look at American History

CREDIT HOURS: 3

Lies and the Lying Liars Who Tell Them: A Fair and Balanced Look at the Right" is a work of satire published in 2003. Unlike Franken, however, who concentrates his attack on Republicans, this course takes aim at a much more insidious beast, American Historians. By concentrating on questions of historiography and methodology this course is designed to introduce students to some of the most egregious problems in American history. The goal is to encourage students to think critically about how and why US history is written the way it is.

HIST 2381 Latin America

CREDIT HOURS: 3

This survey course offers an introduction to Latin America's history, peoples, and politics from pre-colonial times to the present day. The course builds a foundational understanding of Latin America and its past, focusing on a broad range of Latin American countries. We will pay particular attention to issues of race, class, faith, and gender.

FORMAT: Lecture

EXCLUSIONS: HIST 2386.03, HIST 2387.03

HIST 2382 Mexico and Central America to 1979: From Conquest to Revolution

CREDIT HOURS: 3

See course description for SPAN 2069.03 in the Spanish section of this calendar.

HIST 2383 Mexico and Central America since 1979: The Search for Stability

CREDIT HOURS: 3

See course description for SPAN 2070.03 in the Spanish section of this calendar.

HIST 2384 Cuba from Colonial Times

CREDIT HOURS: 3

See course description for SPAN 2109.03 in the Spanish section of this calendar.

HIST 2385 The Cuban Cultural Revolution

CREDIT HOURS: 3

See course description for SPAN 2110.03 in the Spanish section of this calendar.

HIST 2386 Colonial Latin America

CREDIT HOURS: 3

This lecture course offers an introduction to Latin America's colonial period. Stretching from pre-colonial times to independence, this course examines the peoples, politics, and cultures that comprised Latin America between the fourteenth and early nineteenth centuries. It pays particular attention to issues of race, gender, class, and faith.

FORMAT: Lecture

EXCLUSIONS: HIST 2381.03

HIST 2387 Latin America Since Independence

CREDIT HOURS: 3

This lecture course introduces Latin America's postcolonial history. Moving from the independence period in the early nineteenth century through until the present day, this course considers the peoples, politics, and cultures that came to define contemporary Latin America. This course pays particular attention to issues of race, class, and gender.

FORMAT: Lecture

EXCLUSIONS: HIST 2381.03

HIST 2388 Latin American Dictators: From Fact to Fiction

CREDIT HOURS: 3

See course description for SPAN 2130.03 in the Spanish section of this calendar.

HIST 2392 Introduction to Caribbean History (1450 to the Present)

CREDIT HOURS: 3

This course provides a survey introduction to the history of the Caribbean basin with special emphasis on Cuba, Jamaica, and Saint-Domingue/Haiti. It covers the period from the mid fifteenth century to the present day. Themes covered include: European conquest, the emergence of plantation economies, African slavery, revolutionary movements, abolition and emancipation, multi-ethnic and interracial relations, relations with the US, nationalism, race, religion, and music.

FORMAT: Lecture

PREREQUISITE: none; but HIST 1501.03 and HIST 1502.03 are recommended

EXCLUSIONS: HIST 3392.03

HIST 2425 Africa Disclosed: The Patterns of Africa's Early History

CREDIT HOURS: 3

Myth, ignorance and prejudice cloud understanding of Africa's past. This class explores how historians have worked to disclose the patterns of the past in Africa, linking them to global history while also finding unique stories. Africa's past will be explored in terms of connections within the continent, in relation to old world dynamics before 1500 CE, and in the context of the rise of the Atlantic world after 1500 CE.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2410.03 and 2421.03

HIST 2426 Africa: Disruption and Innovation

CREDIT HOURS: 3

Africa experienced much disruption through the 20th century, from colonial exploitation to Cold War meddling. Development has often been double-edged, advancing foreign interests while opening opportunities for Africans. This class examines how African men and women have constructed their lives against and despite these dislocations, acting in various capacities as soldiers, politicians, workers, and activists. It seeks the roots of both Africans' current troubles and their accomplishments.

FORMAT: Lecture| Tutorial

EXCLUSIONS: HIST 2422.03

HIST 2502 The Ottoman Empire and Its Legacy in the Middle East, 1299-1923

CREDIT HOURS: 3

This course covers the history of one of the greatest world empires, the Ottoman Empire, from its foundation in the late 13th century until its dissolution in 1923. The course examines its political, social and cultural institutions, its different religious and ethnic communities and the relationship between Islam and the State. It pays particular attention to the Empire's relations with European powers, to Ottoman reforms, pan-Islamism, the rise of nationalism, and Zionism. The course ends with World War One and the dissolution of the Ottoman Empire. The main focus of this course will be on the region known today as the Middle East.

FORMAT: Lecture| Discussion

HIST 2503 Medieval Islamic Civilization

CREDIT HOURS: 3

This course will introduce students to the Perso- Levantine world at the time of Muhammad's prophecy in the 7th century, and how the Arabian Peninsula was impacted by the creation and emergence of an Islamic society in Medina and Mecca. With the displacing of Byzantine control in the Holy Land and the collapse of the Sasanian Empire in Persia, the Arab-centric society of Mecca and Medina had become an empire of unprecedented size and ethnic complexity. The course will examine the respective Umayyad and Abbasid dynasties, as well as the slave states of the Saljuqs and Mamluks. The final portion of the course will focus on the gunpowder empires of the Ottomans, Safavids, and Mughals. The central theme of this course will be an examination of the Islamic community, or umma, from its earliest days and how it interacted over the next thousand years with different surrounding traditions and cultures in the Mediterranean, the Iranian Plateau, the Caucasus, the Steppe, India, and Southeast Asia. Another important theme will be the study of how various Islamic societies understood and resolved the age-old dynamic between tribal nomadism and hierarchical urbanism.

FORMAT: Lecture

CROSS-LISTING: RELS 2503.03

EXCLUSIONS: HIST 2501.03

HIST 2504 A History of the Modern Middle East

CREDIT HOURS: 3

This course focuses on the history of the Middle East from World War One until the creation of the Islamic State in Iraq and Syria in 2014. It pays particular attention to the Mandate period and the subsequent creation of the state of Israel in 1948, the emergence of Arab nationalism, the Algerian revolution, the Baath rule in Syria and Iraq, the Arab-Israeli wars, the rise of political Islam, and the Arab uprisings between 2011 and 2013.

FORMAT: Lecture| Discussion

HIST 2505 Turbans and Berets: A Modern History of Iraq

CREDIT HOURS: 3

This course is a survey of the history of Iraq from late Ottoman history until the present. It discusses monarchical rule, the rise of the Baath, the regime of Saddam Hussein, the Gulf Wars and the American invasion of Iraq and its aftermath. It pays particular attention to the role of the different ethnic and religious groups in Iraqi politics and cultural life.

FORMAT: Lecture| Discussion

HIST 2510 Modern History of South Asia

CREDIT HOURS: 3

This course will examine the region of South Asia from the mid-19th century - the height of the British Raj - to the present. Areas of concentration will include resistance to British rule, rise of the Congress Party, the 1947 Partition, and subsequent decolonization. The respective histories of modern India, Pakistan, and Bangladesh will be examined against the backdrop of nationalism, communalism, and regional conflict.

FORMAT: Lecture

HIST 2520 Ancient Israel

CREDIT HOURS: 3

See course description for CLAS 2220.03 in the Classics section of this calendar.

HIST 2614 Making Gender: Women and Men, Sex and Gender in Pre-Modern Europe

CREDIT HOURS: 3

This course examines the diverse and fascinating ways western cultures have shaped what it meant to be a woman or a man. Beginning in the time of the Roman Empire and continuing to the age of the French Revolution, the course examines such topics as eunuchs, fasting saints, female 'popes', changing notions of the physical differences between the sexes, and early struggles for women's rights.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 2300.03

HIST 2615 Making Gender - Male and Female from the American Revolution to the present

CREDIT HOURS: 3

This course examines the diverse and fascinating ways western cultures have shaped the meanings of gender. The history of women informs us about the once little-known history of femininity. And, as a result, historical changes in definitions of masculinity become visible. The meanings of gender are explored in this course through topics such as: the doctrine of separate spheres, the family wage, the homosexual, imperialism, citizenship, welfare dependency, and infertility.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 2301.03

HIST 2711 Struggles that Shaped the Modern World: 1600-1900

CREDIT HOURS: 3

European expansion from the 16th century reshaped the global economy, obliging many established societies to confront new challenges. Throughout Asia, the New World and Africa, old conflicts between and within states now had to confront the additional challenge of increasingly powerful European intruders. These encounters—featuring a complex mixture of military, cultural, technological, political and economic interactions—shaped the modern world as diverse groups struggled to pursue their interests through resistance, accommodation, coercion, cooperation and alliance. This course will explore the ways in which select societies navigated these encounters to better understand the intricate patterns of linkage and division that mark our world in modern times.

FORMAT: Lecture

HIST 2712 Freedom Fighters or Terrorists? Revolution, Nationalism and Anti-Imperialism in the 20th Century

CREDIT HOURS: 3

After World War II, African and Asian nationalists pressed home their claims for independence from colonial rule. During the Cold War, movements for social reform in the so-called Third World combined with these nationalist traditions to create many enduring sites of conflict. This course explores the strategies, successes and failures of these movements of opposition, assessing their impact in shaping the 20th century.

FORMAT: Lecture

HIST 2750 The Pirate and Piracy

CREDIT HOURS: 3

See course description for EMSP 2480.03 in the Early Modern Studies section of this calendar.

FORMAT: Lecture| Discussion

CROSS-LISTING: EMSP 2480.03

RESTRICTIONS: Restricted to students in their 2nd year and above

HIST 2820 History of East Asia

CREDIT HOURS: 3

This introductory course explores historical change and social transformation in China, Japan, Korea, and Vietnam from antiquity to the present. It is an East Asian counterpoint to the historical narrative of Western civilization. Emphasizing the Chinese and Japanese experiences, the class will examine some of the more salient social, intellectual, political, economic, and environmental features apparent in the heritage of these societies, as well as some of the ways each society has influenced the others. No previous study of East Asia is expected or required.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: CHIN 2020.03

HIST 2900 Introduction to the History of Art and Visual Culture

CREDIT HOURS: 3

Why have all human beings, at all times and in all places made pictures? This course will explore broad themes in global art production, such as sex, death, religion, race, knowledge, power and entertainment. Students will be encouraged to consider cross-cultural perspectives and trans-historical connections in their study of visual culture. They will also be introduced to the fundamentals of traditional art history through the chronology of western art production and stylistic movements. Students will develop the skills to describe, analyze and think critically about the visually saturated world in which they live.

FORMAT: Lecture

CROSS-LISTING: GWST 2900.03

HIST 2985 Totalitarianism and Science

CREDIT HOURS: 3

See course description for HSTC 2205.03 in the History of Science and Technology section of this calendar.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HSTC 2205.03

HIST 2990 Magic, Science and the Occult: from Antiquity to Postmodernity

CREDIT HOURS: 3

See course description for EMSP 2360.03 in the Early Modern Studies section of this calendar.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HSTC 2120.03, EMSP 2360.03

HIST 3000 Topics in Early Modern European History

CREDIT HOURS: 3

Topics to be studied and researched will vary from year to year. In some years, the geographical focus may be Britain, while in others it will be western Europe more generally. Topics may include the religious reformations; print culture; political protest; and popular culture.

FORMAT: Lecture| Discussion

PREREQUISITE: A course in European or British History

HIST 3002 The Medieval Church

CREDIT HOURS: 3

This course ranges far and wide over the history of the church in medieval Europe, adopting a thematic rather than a strictly chronological approach. Subjects of study

include monasticism, heresy, education and the universities, town and cathedral, lay-clerical conflict, and “popular” concepts of religion. Each year several topics are examined in detail, with the help of original documents in translation, and using recent periodical literature and/or monographs. Students prepare two versions of a well-researched paper, and class discussions are used to explore related materials and readings in greater depth. Some prior knowledge of medieval European history is essential.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 3008.03

EXCLUSIONS: HIST 3021.03 and 3022.03

HIST 3003 Britain and the Celtic Realms 1066-1400

CREDIT HOURS: 3

This class examines the social, political and cultural history of the Gaelic peoples of the British Isles from the period of the Norman Conquest of England in 1066 to c. 1400, with particular emphasis on the interaction between the peoples of Wales, Scotland, and Ireland on the one hand, and the culture of the English kingdom on the other. The class examines such fundamental institutions as the family, kinship, the law, the church and architecture, with a special focus on the ways in which interaction with the English crown in this period shaped and influenced Gaelic customs and practices. Classes are conducted once a week, in the form of lecture/discussions. In an attempt to appreciate more fully the civilization of the period, many of the assigned readings consist of contemporary works (in translation).

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 5703.03

HIST 3006 Renaissance and Reformation Europe, 1348-1559

CREDIT HOURS: 3

A survey of the major themes, subjects, and personalities in western European history from the Italian Renaissance to the beginnings of the Protestant Reformation in the sixteenth century. Topics to be covered include the rise of Italian city-states, Italian humanism, the arts, the emergence of centralized monarchies in northern Europe, religious sentiment, and the reform movement. Although most areas of western Europe will be dealt with, the focus will be on Italy, France, and Germany.

PREREQUISITE: Any first- or second-year European history course

EXCLUSIONS: HIST 2005.03, 2019.03

HIST 3007 The European Enlightenment

CREDIT HOURS: 3

This course examines eighteenth-century European Enlightenment and the continuing controversies over its interpretations and its legacies. Class discussions focus on Enlightenment debates on religion, gender, science, non-European people, society and government, and the possible impact of the Enlightenment on the French Revolution.

FORMAT: Seminar

PREREQUISITE: HIST 1004X/Y.06

EXCLUSIONS: HIST 3012.03

HIST 3016 Meetings between Hellenism and the East to Philo the Jew

CREDIT HOURS: 3

See course description for CLAS 3016.03 in the classics section of this Calendar.

CROSS-LISTING: CLAS 3016.03, RELS 3018.03

HIST 3017 Meetings between Hellenism, Judaism, Christianity and Islam until the Renaissance

CREDIT HOURS: 3

See course description for CLAS 3017.03 in the classics section of this Calendar.

CROSS-LISTING: CLAS 3017.03, RELS 3019.03

HIST 3020 Fall of the Roman Republic

CREDIT HOURS: 3

See course description for CLAS 3205.03 in the Classics section of this calendar.

HIST 3030 Russian Intellectual History

CREDIT HOURS: 3

This course will examine intellectual developments in modern Russia, from Peter the Great to the late 20th century. Among the possible topics we will cover are: Russian thought and the West, the Russian intelligentsia and its relationship with the people and the state, Russian Orientalism, the roles of literature, arts, and media in Russian politics and society, the nature of dissent and revolutionary movements, as well as the functions of historical memory in Russian thought and culture. Throughout the course we will approach Russia as a multinational country that developed in constant and close interaction with the outside world.

FORMAT: Lecture| Discussion

PREREQUISITE: Some Russian history required; Recommended are HIST 2021.03 or HIST 2022.03.

CROSS-LISTING: RUSN 3091.03

HIST 3040X/Y Culture and Behaviour in France, 1550-1750

CREDIT HOURS: 6

This course, exploring the characteristics and complexities of elite and popular culture in Early Modern France, focuses primarily on the techniques of historical research. Heavy emphasis is placed on archival sources (translated and transcribed) relating to diverse facets of social, cultural and religious history, and on historical logic. The course also welcomes students from other branches of behaviour studies. No French required.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: FYP or some background in early modern or medieval history

HIST 3043 Napoleon Bonaparte

CREDIT HOURS: 3

The course examines Napoleonic historiography and focuses on selected representations of Napoleon that originated both during his life and after his death, and gained ascendancy at different points in time. The themes draw from a large repository of images and associations, and include: Napoleon as conqueror, as proto-fascist dictator, as the Little Corporal of the people, as heir of the French Revolution, as state builder, and as European visionary and unifier. The course offers an opportunity

to develop analytical and critical skills, by discussing historiographical issues, such as the dynamic nature of historical representations the impact of circumstances in shaping historical representations, and the role of methods employed to examine the past in creating these representations.

FORMAT: Lecture| Discussion

PREREQUISITE: HIST 1004X/Y recommended

HIST 3045 The French Revolution and Its Interpretations

CREDIT HOURS: 3

The seminar examines the French Revolution, its origins and its interpretations, as well as the legacy of the French Revolution for modern political culture. Each time the seminar is offered it may focus on a specific theme related to the French Revolution.

FORMAT: Seminar

PREREQUISITE: HIST 1004X/Y.06 recommended

CROSS-LISTING: HIST 4045.03, HIST 5045.03

HIST 3049 The First World War

CREDIT HOURS: 3

Selected topics on the origins, course and consequences of the First World War, including strategic and political decision-making, the Western Front, Gallipoli and the Middle East, economic mobilization and the home fronts, the Eastern Front, the war at sea, and the peace treaties.

FORMAT: Lecture

HIST 3050 Europe and World War Two

CREDIT HOURS: 3

Selected topics on the origins, conflict and aftermath of the Second World War as this involved Europe, including Nazi foreign and occupation policies, strategic and political decision-making by the Allied and Axis powers, national resistance movements, and the wartime origins of the Cold War. RECOMMENDED: HIST 2032.03, 2062.03, 2081X/Y.06, 2021.03, 2040X/Y.06, 2112.03

FORMAT: Lecture| Discussion

PREREQUISITE: One 2000 level course in European or modern British history

HIST 3051X/Y Fascist and National Socialist Movements in Europe, 1900-1945

CREDIT HOURS: 6

Fascism remains one of the most misunderstood and intriguing curiosities of modern history. At the height of its popularity and influence in the period between the World Wars, virtually every European country had one or more groups that were considered fascist or thought of themselves as such: in Germany and Italy, of course, but also in France, Spain, Hungary, Romania, and elsewhere. This course, structured as lecture/discussion, offers students the opportunity to explore the ideals, experiences, aspirations and political realities of this simultaneously threatening and fascinating historical problem.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: One European history course or permission of instructor

HIST 3056 The Holocaust: The Destruction of the Jews of Europe, 1933-1945

CREDIT HOURS: 3

The destruction of most of European Jewry by Nazism and its helpers during the Second World War is studied in the context of centuries-old religious anti-Semitism, nineteenth-century Jewish emancipation and the emergence of racist ideology, the political and social situation of Jews in eastern and western Europe after World War I, "legal" and bureaucratic persecution of German Jews culminating in mass killing at Auschwitz and other death camps, and the response of bystander nations to the perpetration of genocide. RECOMMENDED: HIST 2032.03, 2062.03, 2081X/Y.06, 2021.03, 2040X/Y.06, 2112.03

FORMAT: Seminar

PREREQUISITE: One 2000-level course in European History

EXCLUSIONS: HIST 3055.06

HIST 3059 Confronting Fascism

CREDIT HOURS: 3

See course description for GERM 3450.03 in the German section of this calendar.

FORMAT: Lecture| Tutorial

CROSS-LISTING: POLI 3449.03, GERM 3450.03

HIST 3060X/Y Civilization of Baroque Italy/The Origins of Modern Italy

CREDIT HOURS: 6

A descriptive introductory survey of Italy from the late Renaissance to the French Revolution. Lectures and tutorials will feature a broad array of original sources in translation and numerous images. Taught in English.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Seminar

CROSS-LISTING: ITAL 3060X/Y.06

EXCLUSIONS: HIST 2060.06 and ITAL 2101.06

HIST 3073 History of Marine Sciences

CREDIT HOURS: 3

See course description for MARI 4664.03 in the Marine Biology section of this calendar.

HIST 3075 Science and Religion: Historical Perspectives

CREDIT HOURS: 3

See course description for HSTC 3200.03 in the History of Science and Technology section of this calendar.

HIST 3076 Science and Religion: Contemporary Perspectives

CREDIT HOURS: 3

See course description for HSTC 3201.03 in the History of Science and Technology section of the calendar.
CROSS-LISTING: CTMP 3201.03, HSTC 3201.03, RELS 3201.03

HIST 3085 The Many Faces of Frederic Chopin: Problems in Modern Biography

CREDIT HOURS: 3

The seminar examines the process of creating biographical representations in history by focusing on Frederic Chopin (1810–1849) and the appropriations of his life, personality and music, that occurred both during his lifetime and after his death. By analyzing how Chopin's images were construed—and the manner in which he fashioned himself—the course explores broader themes, such as biography in historical writing, the nineteenth-century paradigm of biography writing, politics of biography, biography and the construction of the subject, biography as a control of cultural memory and the limits of biographical knowledge.

FORMAT: Seminar

PREREQUISITE: One European history course, permission of instructor

HIST 3090 Russian Society

CREDIT HOURS: 3

Basic institutions of 20th century Russian society are considered in their historical context, with special attention to the former role of the Party, official culture and literature, the workings of the economy, and social stratification. RECOMMENDED: RUSN 1000.06, 2000.06

FORMAT: Seminar

PREREQUISITE: Some Russian history. Recommended HIST 2021.03 and HIST 2022.03

CROSS-LISTING: HIST 5090.03, RUSN 3090.03

HIST 3092 Russian Topics

CREDIT HOURS: 3

Topics to be studied and researched will vary from year to year. They may include the sources of Bolshevism/Leninism, the doctrine of peaceful coexistence, the position of national minorities, the role of literature (official and samizdat) and the press, the Cult of Personality, Khrushchev's "Thaw", Brezhnev, Gorbachev, and Yeltsin. RECOMMENDED: HIST 2020X/Y.06 or 2021.03/2022.03 or RUSN 2022.03/2023.03

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 3092.03

HIST 3094 Vladimir Lenin and Leon Trotsky: Their Life and Works

CREDIT HOURS: 3

This course examines the intellectual and political biographies of V.I. Lenin and L.D. Trotsky, the main architects of the 1917 Revolution in Russia. Among the questions to be considered are Trotsky's relationships to Lenin and Stalin, their roles in the Revolution and Civil War, their analyses of the New Economic Policy, Trotsky's leadership of the Left Opposition, and their place in the history of Marxist theory and practice. The course will look at secondary literature on Lenin and Trotsky as well as selections from their writings.

FORMAT: Seminar

CROSS-LISTING: RUSN 3094.03

HIST 3096 The History of Ideas in Russia - From Official Nationality to Solzhenitsyn's Neo-Slavophilism

CREDIT HOURS: 3

This course examines some of the main currents in Russian intellectual history from the middle of the nineteenth century through the 1990s. Topics include classical Slavophilism and early Westernism, Populism and Nihilism, Anarchism, Marxism, Leninism, Socialist Realism, anti-Stalinism, Glasnost, neo-Westernism (Sakharov), and neo-Slavophilism (Solzhenitsyn). RECOMMENDED: HIST 2020X/Y.06 or 2021.03/2022.03 or RUSN 2022.03/2023.03

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 3096.03

HIST 3102 Seminar in Tudor History, 1485-1603

CREDIT HOURS: 3

This course examines in depth the major events, personalities, and developments of sixteenth-century England. Topics include the dissolution of the monasteries, formation of the state, the reformations in religion and their broader effects, royal propaganda, political culture, and the achievements of the Elizabethan age. Class discussions will rely on detailed readings of primary sources and historiographical debates. Students will be expected to produce a major, well-researched essay. Some prior knowledge of early modern English history is essential.

FORMAT: Seminar

PREREQUISITE: One previous British history course

EXCLUSIONS: HIST 2104.03

HIST 3103 Seminar in Stuart History, 1603-1688

CREDIT HOURS: 3

This course examines in depth the principal events of seventeenth-century English history. Topics include: the fear of Catholicism at home and abroad; the causes and course of the civil war, including the growth of radical political thought; the Cromwellian regime; the importance of Parliament; the Restoration; and the Revolution of 1688. Class discussions will rely on detailed readings of primary sources and historiographical debates. Students will be expected to produce a major, well-researched essay. Some prior knowledge of early modern English history is essential.

FORMAT: Seminar

PREREQUISITE: One previous British history course

EXCLUSIONS: HIST 2105.03

HIST 3105 The English Civil War

CREDIT HOURS: 3

An advanced course on one of the most tumultuous and eventful periods in British history, leading up to and including civil war and revolution 1642 to 1660. Select primary sources will be used in addition to secondary works. Topics to be studied include the social structure of early Stuart England; the Church and its critics; foreign policy; radical politics; religious sectarianism; and the impact of the war and its aftermath on the populace.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 5105.03

HIST 3107 The English Family and Household

CREDIT HOURS: 3

A number of commentators believe that "the family" is in crisis, its stability threatened by declining marriage rates, rising levels of divorce and single parenthood, and the emergence of alternative family forms. But what does the phrase "the family" actually mean? This course ponders the origins of the modern Western family by tracing the history of household organization, family and sexual relations in England between 1500 and 1800. Historians' attempts to define the family and to identify shifts in patterns of family life over time have often sparked controversy, as those who advocate grand explanatory narratives of change have had their views challenged by others who emphasize continuity and complexity. This course will analyze and assess these ongoing debates while encouraging students to make their own contributions through a careful reading of diaries, autobiographical writings, published court records, plays and other primary source materials. RECOMMENDED: HIST 2104.03, 2105.03

FORMAT: Seminar

PREREQUISITE: Any second-year course in British or European history

HIST 3108 Topics in the Social and Cultural History of England, c 1500-1850: Madness and Marginality

CREDIT HOURS: 3

"Marginality" is a sociological term that describes the situation of groups of people who are excluded or persecuted by the dominant culture. This course will examine such groups as witches, prostitutes, vagrants, and those deemed mentally ill. It will study the processes and politics of exclusion and regulation. It will ask how and why groups become labeled as beyond the boundaries of acceptable society and how such labeling affects practice and experience.

FORMAT: Seminar

PREREQUISITE: One previous history course

HIST 3109 Topics in the Social and Cultural History of England, c 1500-1850: Everyday Life

CREDIT HOURS: 3

Aspects of daily life are often assumed to be "outside" of History, either unchanging or altered simply by natural forces of progress. This course will challenge such assumptions and look at the historically contingent practices surrounding such things as death, manners, sport, festivity, medicine, and education as experienced in early modern England. The course will address how and why such daily practices change, and the effects of such changes on the larger society.

FORMAT: Seminar

PREREQUISITE: One previous history course

HIST 3113 Britain in the Age of the First World War

CREDIT HOURS: 3

This course examines in depth major themes in British history from 1906 to the early 1920s, including the origins of the First World War, the experience and impact of war, wartime politics and strategy, the decline of the Liberal party and the rise of Labour, and post-war reconstruction.

FORMAT: Lecture| Discussion

PREREQUISITE: One of the following: HIST 2032.03, 2111.03; 2112.03; 3112.03; 3314.03; 3116.03; 2030X/Y.06; 2081X/Y.06.

HIST 3114 Britain in the Age of the Second World War

CREDIT HOURS: 3

This course examines in depth major themes in British history from the early 1930s to the early post-war years, including the Great Depression, Appeasement and the outbreak of the Second World War, the experience and impact of war, wartime politics and strategy, the welfare state, the post-war Labour government and the transition to peace.

FORMAT: Lecture| Discussion

PREREQUISITE: One of the following: HIST 2032.03, 2111.03; 2112.03; 3112.03; 3113.03; 3116.03; 2030X/Y.06; 2081X/Y.06

HIST 3210 Canadian Cultural Landscapes

CREDIT HOURS: 3

This course explores the origins of one "signature" landscape in each province. Contact with different geographies shaped distinctive regional histories; but at the same time, the story of each place is tied to the national narrative. These landscapes also illuminate how nature has been understood, used, and transformed since the fifteenth century.

FORMAT: Lecture| Discussion

CROSS-LISTING: CANA 3020.03, GEOG 3210.03

HIST 3220 Youth Culture in Canada, 1950s to 1970s

CREDIT HOURS: 3

The 1950s and 1960s were decades of often startling social change throughout North America in general and Canada in particular. This course will attempt to understand these changes and their impact on our society. The primary focus of the investigation is the popular youth culture of the time, the culture of "sex, drugs and rock n' roll." The course will look at economic and social factors underlying youth culture, at some of the major thinkers who influenced it (such as Marshall McLuhan and Herbert Marcuse), and the responses of authority to youth culture. RECOMMENDED: HIST 2222.03

FORMAT: Lecture| Tutorial

PREREQUISITE: One previous history course

HIST 3222 Topics in Canadian Social History, Nineteenth and Twentieth Centuries

CREDIT HOURS: 3

This seminar will explore major themes in Canadian social development. The topics discussed will vary from year to year but will emphasize such themes as: changing values in Canadian society; the nature of popular cultures; the relationship of order and disorder; the family; gender relations; and social classes. **Approved with Canadian Studies.**

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: A course in Canadian History

CROSS-LISTING: HIST 5222.03

HIST 3223 The Caring Society? - Welfare in Canada since 1900

CREDIT HOURS: 3

This course examines changes over the twentieth century in the ways Canadians have dealt with people's needs, their own or others', whether for income, housing, personal care, or other matters of survival and well-being. Both private and government forms of welfare provision will be studied, with the overall purpose of

understanding why Canada came to have the kind of welfare state it does. Among the topics that may be covered are: changing views on the origins and prevention of dependency; definitions of need; religious and ethnic variations in welfare practices; connections between welfare and women's lives; charitable fund-raising; promoters and opponents of government social programs; financing the welfare state; gender, race, constitutional, and class issues in welfare.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: A 1000- or 2000-level course in Canadian history

CROSS-LISTING: CANA 3223.03, HIST 5223.03

HIST 3226 Law and Justice in Canadian Society, to 1890

CREDIT HOURS: 3

Discussion begins with an exploration of concepts of law and justice among Native Peoples prior to and during the occupation of the continent by the French and British. The course pursues crime and the criminal law as they relate to broader changes within the society and economy of New France, British North America, and Canada. We analyze shifting patterns and perceptions of crime and punishment; the social, economic, political, and ideological significance of the criminal law; the influence of Britain, France and the United States on legal developments. **Approved with Canadian Studies.** RECOMMENDED: One previous history course

FORMAT: Lecture| Discussion

EXCLUSIONS: HIST 3225.03

HIST 3227 Criminal Law, Crime and Punishment in Canadian Society, 1890 to the present

CREDIT HOURS: 3

Continuing the approach and themes of HIST 3226.03, this course studies crime, punishment, and the criminal law as they reflect social, economic, political, and ideological developments. As appropriate, these are placed within their international context, and in particular linked to the American system of law and justice. We pay attention to the impact of technological change on crime, detection of crime, enforcement mechanisms, and alternative means and methods of punishment. **Approved with Canadian Studies.** RECOMMENDED: One previous history course

FORMAT: Lecture| Discussion

EXCLUSIONS: HIST 3225.03

HIST 3245 Canadiens, Acadiens, Québécois

CREDIT HOURS: 3

Given in English for English-speaking students, this course studies the political identities of Canada's historic French-speaking communities. Grounded in 17th century settlements, these communities developed distinct and diverse social, economic, cultural, and political traditions. The course follows their development from the 19th century to the present, with particular emphasis on nationalist politics, from the early 'canadien' politics to contemporary Acadian nationalism and Québec sovereigntism.

FORMAT: Lecture| Discussion

PREREQUISITE: One course in Canadian history, or instructor's consent

CROSS-LISTING: CANA 3245.03

EXCLUSIONS: HIST 2240.03

HIST 3260 History of the Canadian West

CREDIT HOURS: 3

This course takes a thematic approach within a chronological framework, exploring social, economic and political topics in the development of Western Canada. Among the themes considered are Native economies, political dissent, labour radicalism, ethnic relations, and federal-provincial relations. **Approved with Canadian Studies.**

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: A course in Canadian history

EXCLUSIONS: HIST 2250.03

HIST 3273 Nova Scotia: Pre-Confederation

CREDIT HOURS: 3

An exploration of character and circumstances in the history of provincial society, from the era of European "invasion" to the debate over entry into British American union. **Approved with Canadian Studies.**

FORMAT: Seminar

PREREQUISITE: One Canadian History course or instructor's consent

EXCLUSIONS: HIST 3270X/Y.06

HIST 3274 Nova Scotia: Post-Confederation

CREDIT HOURS: 3

This course surveys the history of Nova Scotia from the 1860s to the present. Topics include the debate over Confederation, the nature of Victorian society, the world wars, economic upheavals of the 1920s and 1930s, aboriginal and black communities, heritage and tourism, and Nova Scotia's political and intellectual relationship with the rest of Canada.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: One Canadian History course or instructor's consent

EXCLUSIONS: HIST 3270X/Y.06

HIST 3293X/Y The Political Economy of the Car: Fordism and Post-Fordism in International Perspective

CREDIT HOURS: 6

This course examines the emergence and transformation of the global economic system known as Fordism, beginning with Henry Ford's revolutionary marriage of mass production with mass consumption in 1914. Topics to be explored include: technological change in the workplace; the relationship between industrial unionism and radical political movements; the gender, racial and religious politics of Fordism; and the growth of mass culture in the era of mechanical reproduction.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: At least one previous History credit; second-year standing or better

EXCLUSIONS: HIST 3292.03

HIST 3300 Topics in the History of the Americas, 1450-1870

CREDIT HOURS: 3

This course examines aspects of the historical development of the Americas from the beginnings of European imperialism in the fifteenth century to the emergence of nation states in the nineteenth century. It explores topics such as relationships between Aboriginal and European peoples; religion and socio-economic development; popular culture and gender; imperialism and the slave trade; the development of slavery; the rise of revolutionary ideologies; the American and Haitian Revolution; and the impact of civil wars.

FORMAT: Lecture| Discussion

HIST 3303 De-Colonizing Modernism: Critiquing the Legacy of Modern Art

CREDIT HOURS: 3

What is Modernism? Modern Art? Our answers to these questions reflect our attitudes towards art and the role of the artist in society. This course gives students a foundation in the western visual culture of the 20th century. It will equip them to research and write about art and critique the omissions and biases of art history. Through this process they will better understand how the Western art production of the past 150 years affects the visual culture they experience daily.

FORMAT: Lecture

CROSS-LISTING: GWST 3303

HIST 3333 The American Archives

CREDIT HOURS: 3

This course is designed to introduce students to the use of American historical archives. It will be taught only as a summer course and students will spend one week working at the Kennedy archives in Boston or the National Archives in Washington DC. During the course students will be researching a paper they have already completed on America in the Sixties. It is expected that by the end of the course students will be able to send their papers to an undergraduate journal for publication. The archives can only accommodate a maximum of 12 students at a time. Students will need to have registered for this course, purchased their tickets, and secured accommodation by April 20th. Check with instructor for a confirmation about the location to be visited this year.

FORMAT: Seminar

PREREQUISITE: Students must have written a third year history paper on some aspect of America in the Sixties.

HIST 3350 Family and Community in North America, 1600-1900

CREDIT HOURS: 3

The family in North American society, from when the family was a model for social relations to the time when it was idealized as a private refuge. Among the topics considered are the role of the family in rural and urban communities, the demographic transition from high fertility and mortality, the reduction of the family's economic and educational autonomy, the role of ideology in shaping sex roles and child rearing, and the relations of family and community according to ethnic group, class and economic setting. RECOMMENDED: A course in the sociology or social anthropology of the family

FORMAT: Lecture| Discussion

CROSS-LISTING: GWST 3300.03

HIST 3358 Slavery, Gender, and Power: Women in Nineteenth Century America

CREDIT HOURS: 3

This course studies the tangled histories of slavery and gender in nineteenth century America. Principal topics include the lives of female slaves, the cult of domesticity, the rise of early feminism, the role of women in the destruction of slavery, and the tension between gender and race.

FORMAT: Seminar

CROSS-LISTING: GWST 3358.03

HIST 3360 Enslavement and Emancipation: African-Americans in the US South to 1900

CREDIT HOURS: 3

This course examines slavery as a system of racial subordination and economic exploitation. Attention is given to the social, familial, and cultural life of the slaves, the role of slavery in shaping southern nationalism and national racial beliefs, and to reconstruction after the Civil War. RECOMMENDED: HIST 2332.03

FORMAT: Seminar

PREREQUISITE: One second-year United States history course

HIST 3361 The American Civil War and Reconstruction

CREDIT HOURS: 3

The Civil War, occasioned by the formation of the Southern Confederacy and the Union government's refusal to recognize the existence of a separate southern nation, was a pivotal moment in the history of the United States. This course will examine the causes of the war, the forces behind slave emancipation, the military fortunes of the two combatants, and the efforts undertaken by the victorious society to alter the polity of the defeated South. RECOMMENDED: HIST 2332.03

FORMAT: Seminar

HIST 3365 Vietnam War [Hi]stories

CREDIT HOURS: 3

This course is designed to introduce students to the impact of American involvement in the war in Vietnam. It will cover the major issues of the war including the political and social conditions in Vietnam; the reasons for American involvement; the development of United States policy toward Indo-China; the military conflict itself, and the legacy of the war. Rather than concentrating on the events as they unfolded, however, this course will focus on questions of interpretation and methodology. Toward this end, classes are designed to introduce students to both the historiography of the period under question and to some of the theories historians have used to think about and/or interpret the American experience in Vietnam. CROSS-LIST: 5365.03

FORMAT: Lecture| Discussion

PREREQUISITE: Any 1000 or 2000 level North American history course

HIST 3367 The History of Modern Intelligence in War and Diplomacy

CREDIT HOURS: 3

Intelligence, or accurate up-to-date information about unfolding world events, is crucial to the successful conduct of foreign policy. Nations survive or prosper based on their ability to gather, evaluate, understand and use information about the world. This course is designed to introduce students to the study of intelligence and how

various intelligence systems function. The goal of the course is to enhance students' understanding of national intelligence communities in Britain, Canada, Russia and the United States. By examining the history of four different intelligence communities, we will begin to think critically about how intelligence fits into the policy process and how it is managed and controlled by the various governments.

FORMAT: Lecture| Seminar

HIST 3369 America in the 1960s

CREDIT HOURS: 3

The "long sixties" – a period from the mid-fifties through the early seventies – was an extraordinary time in American history when a number of different groups attempted to transform American society. In many ways they were successful, and we are still living with the legacy of the sixties today. This course is designed to introduce students to the numerous issues, conflicts, and problems that confronted Americans in the 1960s. The course will focus on the various movements of social reform that characterized this period. We will also discuss the rise of the "new left" and the "new right" and what these ideological movements meant for American political culture. The overall goal of the course is to encourage students to think about how individuals adjust their values to fit a particular political and cultural climate. Why do some people conform to political and social values, while others do not? Students will come at these questions from a variety of perspectives. Art, film, fiction, and music will be used throughout the course.

FORMAT: Lecture| Discussion

HIST 3370 North American Landscapes

CREDIT HOURS: 3

This course is an introduction to the history of landscapes in North America from the fifteenth century to the present day. Each week we will explore how nature has been understood, used, and transformed in a variety of different places across the continent, and how the history of these landscapes tie into the larger histories of Canada and the United States.

FORMAT: Lecture| Seminar

CROSS-LISTING: HIST 5370.03

HIST 3372 The Cuban Missile Crisis

CREDIT HOURS: 3

This course is designed to introduce students to the history of the Cuban Missile Crisis. In the class students will examine both Russian and American primary and secondary sources. The goal is to provide students with the necessary skills to think critically about how scholars historicize the past.

FORMAT: Lecture| Seminar

HIST 3373 Spying on the World: The CIA in American History

CREDIT HOURS: 3

This course is designed to introduce students to the History of the Central Intelligence Agency. Over its history the CIA developed into one of the most infamous government agencies in American history. During the course students will examine topics such as the history of US Propaganda, political warfare, covert operations, spying, counter-intelligence and cryptography.

FORMAT: Lecture

HIST 3374 The Objectivity Question in American History

CREDIT HOURS: 3

This course is designed to introduce students to the historiographical trends in American history by examining some of the major historical topics of the last century including the Civil War, World War One, Progressivism, World War Two, the Holocaust, The Cold War and The Vietnam War. The course examines whether American historians have been successful in their quest for objectivity.

FORMAT: Lecture| Discussion

HIST 3380 Slavery and Freedom in the Americas

CREDIT HOURS: 3

This course will take a broad perspective on slavery by examining some of the defining features of forced labor throughout the Americas over the course of four centuries (with occasional examples from elsewhere in the world). To complicate the overly simplistic slave-free dichotomy and develop a more nuanced understanding of the denial of freedom, we will investigate not only chattel slavery but other systems of free and unfree labor that existed in the Americas, such as the *encomienda*, convict labor, debt bondage, serfdom, pauper apprenticeship, poorhouse and prison work, indentured servitude and wage labor. We will consider definitions and justifications of slavery (including racist ideology) that have been used by past and present theorists. To better understand the extent to which the working environment shaped the lives of the enslaved, we will compare the living and working conditions of laborers in a range of historical settings. We will conclude with a survey of the rise of free labor ideology, the impact of emancipation in the Americas and a glance at forced and free labor systems in the new millennium.

FORMAT: Seminar

HIST 3390 Latin America: Revolution and Repression

CREDIT HOURS: 3

This course explores the experiences of revolution and repression in post-colonial Latin America. Focusing on twentieth-century Chile, Guatemala, and Mexico, we will explore the making and unmaking of revolutionary political projects, paying particular attention to matters of race, class, and gender.

FORMAT: Lecture| Discussion

PREREQUISITE: Any second-year history course or permission of the instructor

EXCLUSIONS: HIST 3391.03, HIST 3392.03

HIST 3393 Indigenous Movements in Latin America

CREDIT HOURS: 3

This course considers the historical experiences of Latin American indigenous peoples. We explore four periods in postcolonial Latin American indigenous history: the early republican era (1800s-1910); the rise of pro-indigenous policies and activism (1920s-1930s); the submersion of indigenous issues to a class-based agenda (1940s-1970s); and the return of indigenous movements (1973-present).

FORMAT: Lecture| Discussion

HIST 3394 Slavery, War and Piracy in the Early Caribbean

CREDIT HOURS: 3

The Caribbean was a world of rapid riches, constant brutality and death and it was the central interest of European powers as they expanded to the Americas. This

course will explore the politics, economies, societies, and cultures on the islands within the Caribbean Sea and the mainland territories bordering on it during the early modern era. It will conclude by examining how this world was changed by the dismantling of the slave system and the age of revolutions. The course will demonstrate exactly why this region became the most important, economically, within the Americas and why European powers were so intent on defending it.

FORMAT: Lecture| Seminar

ASSESSMENT METHOD: term papers, reading responses, participation

HIST 3430 The Making of Colonial Africa, c 1850 - 1930

CREDIT HOURS: 3

European colonial rulers and business interests laid out the framework of the sub-Saharan African colonial order from about 1850 to the 1920s, seeking ways to exploit African labour and natural resources. But imperial plans were limited and sometimes frustrated by African interests, and by historical dynamics within Africa, such as the rise of new merchants and Islamic revolution. This course assesses how the realities of Africa intersected with European imperial ambitions to profoundly change African society during this early colonial period.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 5430.03

HIST 3431 Struggles in The City: Labour, Migration and Urban Life in Colonial Africa

CREDIT HOURS: 3

There were many important urban centres in pre-colonial Africa; however, colonialism and industrialization changed both the pace and nature of urbanization. Old cities grew and new cities and mining settlements were established. Africans came to labour in these colonial cities for a host of reasons - some were forced off their homesteads when settlers and colonial governments appropriated vast tracts of land, others needed to enter the cash economy to pay colonial taxes; women and men sought new opportunities and adventure. This movement to the cities transformed the lives of millions of Africans. This course will focus on the lives of these urban dwellers, the development of urban cultures, the gendered character of urbanization, the creation of new social, political, economic and criminal networks, conflict and cooperation amongst urbanites, and the nature of colonial oppression and control in the cities.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 5431.03

HIST 3435 The Rise and Fall of African Slavery

CREDIT HOURS: 3

Many African societies, like pre-industrial societies elsewhere, used slaves as well as other forms of labour for a variety of purposes. The rise of external slave trades after 1700 — notably across the Atlantic and Sahara — transformed many African societies into specialized slave exporters. As external slave trades declined in the 19th century, many African economies used extensive internal slave labour to produce exports, a pattern colonial governments were slow to change in the 20th century. This course examines these changes in African slavery, and how they affected such issues as gender relations and class structure.

FORMAT: Lecture| Discussion

HIST 3451 Southern Africa to 1860

CREDIT HOURS: 3

Examines the history of Southern Africa before the coming of the mineral revolution. The course focuses on South Africa, but with a regional perspective. Themes include the nature of Khoi and San societies, the expansion of Bantu-speakers, Dutch settlement and administration of the Cape area, the rise of the Zulu, Shaka's empire and the mfecane, the British takeover from the Dutch, the impact of the humanitarian movement and the Great Trek, African states and kingdoms in the nineteenth century, and the formation of the Boer Republics.

FORMAT: Lecture| Discussion

HIST 3452 Apartheid and After: Racial Rule in South Africa

CREDIT HOURS: 3

The course examines not only the changes in race relations and politics, but also the effects of mining and other industries on rural and urban societies after the discoveries of diamonds and gold. Themes will include a regional perspective on British policies and the “imperial factor”, the growth of Afrikaner and African nationalism, the Boer War and unification, the development of apartheid and South Africa's relations with the wider world. RECOMMENDED: HIST 3451.03

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 5452.03

HIST 3470 Wars and Revolutions in Nineteenth-Century Africa

CREDIT HOURS: 3

Africa in the nineteenth century was profoundly reshaped by a complex set of events. Muhammed Ali undertook to modernize Egypt. New Islamic states founded in the west developed plantation economies of unrivaled size. On the Atlantic coast, merchant princes made their fortunes supplying tropical goods for Europe's Industrial Revolution. In Central Africa the search for slaves and ivory both wreaked havoc and stimulated new states. In the south, the rise of Zulu power generated waves of conquest and consolidation. This course assesses the extent to which Africa was reshaped in the revolutionary century before colonial partition.

FORMAT: Lecture| Discussion

PREREQUISITE: Any 2000-level African history course or permission of the instructor

HIST 3471 Wars and Revolutions in Twentieth-Century Africa

CREDIT HOURS: 3

Africa as portrayed in the Western media is a continent plagued by bloody conflicts. All too often these conflicts have not been carefully explained, rather they have been written off as “tribal” squabbles or incomprehensible episodes of barbarism. This course will examine several types of conflicts throughout the twentieth-century and will seek answers to such questions as: What initiated these conflicts? What were the combatants fighting for? How did these conflicts influence wider social, economic and political developments? In what ways did colonial policies and the colonial legacy influence African conflicts? What role has the international community played in African conflicts? What roles have African elites or local communities played in these conflicts? Grappling with these questions will allow us to move beyond simplistic explanations to acquire a better understanding of the wars and revolutions that have so marked twentieth-century Africa.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 5471.03

HIST 3500 Topics in Global History

CREDIT HOURS: 3

This is a special course dedicated to those topics that comprise multi-regional, global themes in the early modern and modern eras. Topics will vary, but possible course

themes include: History of Slavery from a Global Perspective, Rise of Early Modern world-systems, and Colonialism and Ideology in Asia and Africa.

FORMAT: Lecture

PREREQUISITE: Instructor permission

HIST 3502 Thucydides and the Greek World at War

CREDIT HOURS: 3

See course description for CLAS 3502.03 in the Classics section of this calendar.

FORMAT: Seminar

CROSS-LISTING: CLAS 3502.03

HIST 3509 Arab Caliphs, Turkish Commanders, and Persian Viziers: Islamic History, 750-1200

CREDIT HOURS: 3

The focus of this course will be the different manifestations of Islamic civilization as it reached its zenith under a series of caliphates and sultanates across Spain, North Africa, the Levant, Iran, Central Asia, and South Asia between 750 and 1400. Emphasis will be placed on the role of heterodoxy and the emergence of numerous Islamic communities and movements (shi'ites, Sufis) as the 'Abbasid empire (750-1258) struggled to maintain political and doctrinal unity. There will also be a discussion of the Turkic migrations and the corresponding rise in Turkic Islamic sultanates such as the Saljuqs and the Ghaznavids in the East, and how such developments were mirrored by the establishment of a number of Crusader states in the Holy Land. Lastly, we will examine the invasions by the Mongol khans and their devastating effect on the central Islamic world. This course will also discuss the incorporation of Hellenistic culture during the Abbasid period and the rise of Mutazilite ('rationalist') thought, notably in physical sciences, political studies, and philosophy, and how such syncretism was also reflected in terms of mysticism, art, architecture, and literature in the East as Islamic culture interacted with Zoroastrian, Buddhist and Hindu culture in Iran, Central Asia, and India.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 3601.03

HIST 3510 Sultans and Shahs: Politics and Religion in the Islamic Gunpowder Age (1500 - 1800)

CREDIT HOURS: 3

Until the devastating Mongol invasions of the 13th century, the principal centers of Islamic power, culture, and thought had been based in Cairo and Baghdad. This course will examine the post-Mongol Islamic world, and how politics and religion were irrevocably changed with the annihilation of the Sunni Abbasid caliphate. Religious heterodoxy, combined with the power vacuum left by Chingiz Khan and his descendants, allowed for the emergence of a number of unique Turkmen states in Western Asia, the most famous being the Ottoman Turks of Anatolia. By 1500, innovations in military technology and the paper-making industry allowed for the emergence of centralized and bureaucratically-sophisticated 'gunpowder' empires in western and south Asia. This course will discuss the three most significant of these: the Ottoman Turks (based in Istanbul), the Safavid Persians (based in Isfahan), and the Mughal Indians (based in Delhi). Areas of focus will include: issues of political legitimacy, use of military 'slave' corps, orthodox and popular religious movements, tensions between nomadic and sedentary segments of society, innovations in cultural expression (poetry, art, architecture), scientific and philosophical development, and the penetration and impact of the Portuguese, English, Dutch, and French 'world economies' into Asia and the Indian Ocean. This course will also examine different debates regarding the 'decline of the East', and introduce the theoretical implications of how the Islamic world is approached by contemporary scholarship.

FORMAT: Lecture| Discussion

CROSS-LISTING: COMR 3510.03, HIST 5503.03, RELS 3510.03

HIST 3511 Ancient and Medieval History of the Persianate World

CREDIT HOURS: 3

This course is dedicated to studying those periods from antiquity to the medieval age where parts of Asia were influenced and defined by the Persian language and culture (i.e. Iran, the Caucasus, the Steppe, Mesopotamia, Central Asia, Anatolia, South Asia). This course will begin with examining the Aryan invasions of the 2nd Millennium B.C.E., and the eventual establishment of the Median and Achaemenid empires in the 7th – 6th centuries B.C.E. The Persian Wars between the Persians and the Greeks, culminating with Alexander the Great's invasion and the establishment of a Perso-Hellenistic state in the 4th century B.C.E. will be studied along with various issues associated with ancient Iran and Central Asia (Zoroastrianism, Manicheanism, Nestorian Christianity, Buddhism) during the Achaemenid, Seleucid, Parthian, and Sasanian periods. This course will also examine the impact of the Arab Muslim invasions on Iran and Central Asia in the 7th, 8th, and 9th centuries, and the contribution of Persian civilization to the growth and success of Islam during the Abbasid period (750-1258). Strong emphasis will be placed on examining various aspects of Persianate culture, namely poetry, literature, art, architecture, philosophy, and mysticism in the medieval period.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 3602.03

HIST 3512 Modern History of Iran

CREDIT HOURS: 3

This course will examine Iran from the 19th to the 21st centuries. It will begin with an examination of the Qajar dynasty and its responses to the imperial ambitions of Russia and England in the late 19th and early 20th centuries. In terms of Iranian domestic politics, we will look at the Constitutional Revolution of 1906, the rise and establishment of the Pahlavi regime, and the course of Iranian politics in an era of burgeoning nationalism as seen in the Mosaddegh period and the subsequent CIA-orchestrated coup d'etat in 1953. Particular focus will be placed on Reza Shah's monarchy, and the implications of the Revolution in 1979, not only in Iran, but throughout Afghanistan, Pakistan, and the Gulf Region. This course will continue with the impact of the Islamic Republic of Iran in terms of the Iranian culture, religion and politics.

FORMAT: Lecture| Discussion

EXCLUSIONS: First-year students.

HIST 3513 From Cairo to Cape Town: Religious Revival, Identity and Colonialism in Muslim Africa

CREDIT HOURS: 3

This course aims at introducing students to a number of themes and issues related to the history of Islam in nineteenth and twentieth century Africa.

FORMAT: Lecture| Discussion

EXCLUSIONS: HIST 3551.03 in 2006-07

HIST 3515 Food for Thought: History and the Culinary Cultures of the Islamic World

CREDIT HOURS: 3

The symbol and meaning of food transcend pleasure and necessity. This course explores aspects of Islamic history through the lens of the culinary cultures in Muslim societies. It treats food as an essential factor in creating and shaping identities, social space and political discourses.

FORMAT: Lecture| Discussion

HIST 3551 Topics in Modern History

CREDIT HOURS: 3

This course will explore major themes in the history of the 19th and 20th centuries. Topics discussed will vary from year to year, but the course will involve an in-depth examination of a selected subject in modern history, and may include an historiographical, comparative, or interdisciplinary dimension.

FORMAT: Lecture| Tutorial| Seminar

HIST 3750 Social History of Seafaring: Maritime Culture in the Age of Sail

CREDIT HOURS: 3

An examination of our maritime heritage. Within the context of these overlapping periods - the age of discovery, the age of sail, and the age of steam - the focus is on the development of merchant and naval fleets; the roles of the state, capital, and labour; and the features of seafaring culture. Special emphasis is given to the shipping industries and maritime traditions of this region. **Approved with Canadian Studies.**

FORMAT: Lecture| Discussion

PREREQUISITE: One course in history or permission of the instructor

HIST 3990 In Search of the Philosopher's Stone: The History of European Alchemy

CREDIT HOURS: 3

See course description for EMSP 3321.03 in the Early Modern Studies section of this calendar.

FORMAT: Lecture| Seminar

CROSS-LISTING: HSTC 3121.03, EMSP 3321.03

HIST 4001 Directed Readings

CREDIT HOURS: 3

This is a course of individual instruction. Students may only register for this course with the written permission of a Faculty member and the Undergraduate Coordinator.

HIST 4003 Medieval Civilization

CREDIT HOURS: 3

Each year several topics are chosen, broad enough to be used as central themes in the context of which medieval civilization may be closely examined; for instance, monasticism, universities, peasants and popular culture. Such topics are studied in some depth, where possible using original sources in translation, and recent periodical literature and/or monographs. Students master the basic work in certain areas, but are also encouraged to develop particular topics more thoroughly. Class discussions are used to unravel contentious or difficult aspects. Students are required to contribute to such discussions and to write one major research paper. Some prior knowledge of medieval European history is recommended.

FORMAT: Seminar

CROSS-LISTING: HIST 5701.03

HIST 4004 Crime and Society in Post-Conquest England

CREDIT HOURS: 3

This course explores the development of the criminal law in England between 1066 and 1500. After some introductory lectures on the legacy of Anglo-Saxon legal notions and the creation of the royal system of justice known as the "eyre," attention is given to a study of the development of a more sophisticated hierarchy of courts: the local tribunals presided over by justices of the peace and sheriffs, itinerant sessions headed by the justices of assize, and the central court of the King's Bench. The origins and elaboration of particular offences, including treason, felony (murder, rape, arson, burglary, and larceny), and trespass are examined. Emphasis is placed on the social aspects of crime in medieval England, and extensive use is made of recent periodical literature dealing with crime and its effect in this period. Students are required to contribute to weekly discussions of these materials and to write one major research paper. Some prior knowledge of English history is recommended.

FORMAT: Seminar

CROSS-LISTING: HIST 5704.03

EXCLUSIONS: HIST 3004.03, 3007.03, 3009.03, and 3010.06

HIST 4045 The French Revolution

CREDIT HOURS: 3

The seminar examines the French Revolution, its origins and its interpretations, as well as the legacy of the French Revolution for modern political culture. Each time the seminar is offered it may focus on a specific theme related to the French Revolution.

FORMAT: Seminar

PREREQUISITE: One European history course

CROSS-LISTING: HIST 3045.03

HIST 4061 Prelates, Peasants and Primates: From Italian History to the Behavioral Sciences

CREDIT HOURS: 3

Prelates Peasants and Primates is a seminar course with an interest in the social sciences as they apply to historical societies. Weekly readings of classic historical scholarship will be complemented by articles and chapters of books drawn from works of sociology, evolutionary psychology, primate ethology, social psychology, and anthropology.

FORMAT: Lecture| Tutorial

PREREQUISITE: Early modern Europe course

CROSS-LISTING: HIST 5061.03

HIST 4090 Soviet History Seminar

CREDIT HOURS: 3

This is an advanced seminar on the history of Soviet Russia from 1917 to 1991. We will explore the origins, mechanisms, costs, and outcome of perhaps the most ambitious and tragic historic experiment at creating a modern yet equitable society in a country far from conducive to such an undertaking.

FORMAT: Lecture

CROSS-LISTING: RUSN 4090.03

HIST 4104 Punishment, Crime, and the Courts in Early Modern England, c 1550-1850

CREDIT HOURS: 3

This course explores the nature and development of the English criminal justice system during the period in which it first began to be exported to other areas, and at home had to deal with the turmoil wrought by reformation, war, and industrialization. This course will examine the *uses* of the law – did it act in the interests of particular people or groups, and if so, how? Historians have argued that the law had both coercive and symbolic purposes – that it served to enforce and legitimize social and economic structures. We will examine these arguments and their implications. Classes will progress thematically rather than chronologically; some will be devoted to a particular type of punishment, some to the different groups of people involved in the legal process, and others to historical debates.

FORMAT: Seminar

PREREQUISITE: Any course in pre-20th-century British History

CROSS-LISTING: HIST 5104.03

HIST 4105 The English Civil War: Society, Religion, and Politics, 1603 - 1660

CREDIT HOURS: 3

An advanced course on one of the most tumultuous and eventful periods in British history, that leading up to and including civil war and revolution 1642 to 1660. Select primary sources will be used in addition to secondary works. Topics to be studied include the social structure of early Stuart England; the Church and its critics; foreign policy; radical politics; the military course of the war; religious sectarianism; and the impact of the war and its aftermath on the populace.

FORMAT: Seminar

PREREQUISITE: Any course in medieval or early modern British history

CROSS-LISTING: HIST 5105.03

HIST 4106 Topics in Early Modern English History

CREDIT HOURS: 3

Topics to be studied will vary from year to year, and may include the religious reformations, print culture, political protest, and state formation. The course will offer students the opportunity to examine in depth key features of English history in the sixteenth and early seventeenth centuries.

FORMAT: Seminar

PREREQUISITE: HIST 2106.03

CROSS-LISTING: HIST 5106.03

HIST 4110X/Y Rome and the East

CREDIT HOURS: 6

See course description for CLAS 4535.06 in the Classics section of this calendar.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

HIST 4117 Winston Churchill

CREDIT HOURS: 3

This course is not designed to examine every aspect of Winston Churchill's life; rather, it focuses on major events in British and world history in which Churchill was a leading actor. Subjects for discussion may include: social reform and the welfare state; the return to the gold standard; Ireland; India, empire and decolonization; appeasement; grand strategy in the two world wars; the Anglo-American "Special Relationship"; and the Cold War. This course will also examine the historiography of these subjects and the impact of Churchill's own extensive writings in shaping the historical records.

FORMAT: Seminar

PREREQUISITE: HIST 3050.03 or permission of the instructor

HIST 4162X/Y Advanced Seminar in Baroque Culture

CREDIT HOURS: 6

Taught at the State Castle, Cesky Krumlov in the Czech Republic, this course offers upper-level students in History, Theatre and related disciplines the opportunity to study European Baroque culture while surrounded by its material traces. Topics covered include: seventeenth-and eighteenth-century theatre and opera; historical costume; Baroque court life; and/or the history of Central Europe.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CROSS-LISTING: THEA 4735.06

EXCLUSIONS: THEA 4733.03, HIST 4160.03

HIST 4222 Topics in Canadian Social History, Nineteenth and Twentieth Centuries

CREDIT HOURS: 3

This seminar is an opportunity to explore in depth a specific theme or issue in Canadian history. The exact topic will vary from year to year, but will focus on some aspect of social, political or cultural history. The subject may be regional or national in scope. Past examples include cowboys in the North American west, native-newcomer relations, and the social history of health. Weekly discussions and a research paper emphasize historiographical debates as well as its significance to the story of Canada. Approved with Canadian Studies.

FORMAT: Seminar

PREREQUISITE: A Canadian History course at the 3000 level or permission of the instructor

CROSS-LISTING: HIST 5222.03

HIST 4250 Popular Culture in the Atlantic World, 1650-1850

CREDIT HOURS: 3

This course examines the history of popular culture in the Atlantic world. It focuses on using primary sources, such as diaries and journals, to explore the culture and customs in pre-industrial communities. We will discuss topics such as family relationships, popular ideologies, religious practices, economic culture, the role of gender, and attitudes towards sex. In addition to participating in weekly seminar discussions, students will present drafts of their research papers in class, and a revised version of the paper will be submitted at the end of term.

FORMAT: Seminar

PREREQUISITE: A History course at the 3000 level or permission of the instructor

CROSS-LISTING: HIST 5250.03

EXCLUSIONS: HIST 4222 (Fall 2004 and Fall 2005)

HIST 4255 Justice, Freedom, and the State in Twentieth Century Canada

CREDIT HOURS: 3

Debates about justice and freedom took tangible shape in 20th century Canada as new agencies were created at all levels of government. People who promoted the expansion of government claimed to be building a better Canada, where the challenges of enhancing both freedom and equality would be met by the building of democratic society. In this course, we consider whether or to what extent that was, in fact, what happened.

FORMAT: Seminar

PREREQUISITE: A Canadian History course at the 3000 level or permission of the instructor

CROSS-LISTING: HIST 5255.03

HIST 4260 Cowboys in North American History and Culture

CREDIT HOURS: 3

The cowboy is one of North America's most influential icons. This course examines the history of the ranching industry, and its role in such larger issues as land-use conflicts, models of masculinity, and race relations. We will then explore the representation of the cowboy in political and popular imagery, as in national identities, the arts and media, rodeos and exhibition, in Canada and the United States.

FORMAT: Seminar

PREREQUISITE: One full credit in Canadian or American history.

EXCLUSIONS: HIST 4222.03 in 2007-08

HIST 4300 Topics in Latin American History

CREDIT HOURS: 3

This seminar course involves a close examination of a select theme in Latin American history. The specific theme varies from year to year, and themes may be regional or continental. Possible topics include race and nation, gender and sexuality, or political radicalism. The bulk of the work involves preparation of a significant research paper and discussion of weekly readings.

FORMAT: Seminar

PREREQUISITE: Any Latin American history course

HIST 4303 How Victorian Visual Culture Made Modern Marriage (& Other Uses of Popular Culture as Historical Evidence)

CREDIT HOURS: 3

Contemporary western society is saturated with visual images of all kinds: from oil painting to pornography. Western visual culture is not only becoming more diverse but also increasingly globalized. For these reason alone, the study of popular visual culture is an important pursuit. But popular images, like all visual images, carry meaning and generate effects. This course explores the ways in which Western ideas about romance, weddings and married life emerged in 19th Century Britain and were transmitted through visual culture. This case study introduces students to the origins of mass popular culture, trains them in the use of visual sources as historical evidence and informs their understand of the cultural history of 19th century Britain. The course also critiques the development of cultural studies as a discipline. Students will conduct their own self-directed primary research into a visual popular culture topic of their choosing.

FORMAT: Seminar

CROSS-LISTING: GWST 4303

HIST 4360 Slavery and American Political Culture

CREDIT HOURS: 3

This course studies the relationship between slavery and American political culture from the Revolution until the Civil War. Major themes will include the expansion of American slavery, the political ideology of slaveholders, racism in American life, and the antislavery arguments of abolitionists and runaway slaves.

FORMAT: Seminar

HIST 4370 The American Revolution

CREDIT HOURS: 3

This course examines the American Revolution and the larger revolutionary era in the Atlantic World. It situates this critically important event in American history within the broader context of the Atlantic World. We will explore the origins of the Revolution and discuss its immediate impact on the British Empire and the colonies which became the new United States. We will examine the military conflict that led to American independence as well as the major ideological and social shifts that were part of the Revolution. We will try to determine the motivations of the various colonies in joining the Revolution and we will ask why some colonies in the British Empire chose not to revolt. We will conclude with the creation of the Constitution. We will explore the meaning of the revolution and American independence for various groups of people in the colonies, including colonial elites, women, Native Americans and African-Americans. We will also examine the Loyalists and the Loyalist diaspora. Throughout the course we will try to determine how revolutionary or radical this event was.

FORMAT: Seminar

HIST 4400 Topics in African History

CREDIT HOURS: 3

This course will undertake a careful, in depth examination of a select theme in African history. The theme will vary from year to year, but the aim will be to probe the deep complexities of Africa's past that recent scholarship is bringing to light. Themes may be regional or continental, and could include such topics as witchcraft, resistance, urban history, religious change, migration, or nationalism. The core of the work will be a significant research paper and seminar presentations. Classes will also involve the reading, presentation, and discussion of selected readings.

FORMAT: Seminar

PREREQUISITE: At least one third-year African history course or permission of the instructor

CROSS-LISTING: HIST 5400.03

HIST 4401 State Violence, Communal Conflict and Criminality in Modern South Africa

CREDIT HOURS: 3

South Africa is plagued by one of the world's highest rates of violent crime and social conflict. Despite the unprecedented level of public concern with violence, little attention is paid to the historical origins of this phenomenon. This course explores the changing patterns of crime and violence since the 1890s.

FORMAT: Seminar

CROSS-LISTING: HIST 5401.03

HIST 4404 Crime and Punishment in Modern Africa

CREDIT HOURS: 3

This course will explore the extent to which state legitimacy and power can illuminate the trajectories of crime, policing and punishment from early colonial era in Africa to the present day.

FORMAT: Seminar

HIST 4475 African Intellectuals and the Modern Experience

CREDIT HOURS: 3

African thinkers have long pondered the challenges of the modern era, and have established lines of thought with which African intellectuals now address Africa's profound problems. But this engagement with the modern world has moved through different phases, just as the social location of the African intelligentsia has changed over time. This course will explore this intellectual history by setting specific writers in context, and then examining their original writings to ponder such questions as: What were the roots of "African Christianity"? How did African intellectuals respond to "scientific" racism? What was the appeal of Pan-Africanism? What was Negritude? How socialist was African socialism? How do postmodern insights about the invention of identity affect the idea of being "African"?

FORMAT: Seminar

CROSS-LISTING: HIST 5475.03

EXCLUSIONS: HIST 3475.03

HIST 4500 Topics in Modern History

CREDIT HOURS: 3

This seminar is intended specifically for students in the 20-credit Major and Honours degree programs in History. The specific content of the seminar varies from year to year, but generally involves examination of a subject in history in some depth, and may include an historiographical, comparative, or interdisciplinary dimension.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor

CROSS-LISTING: HIST 5500.03

HIST 4510 Topics in Islamic and Middle East History

CREDIT HOURS: 3

This is a special course dedicated to a topic dealing with the Islamic world/Middle East from the medieval era to the present. Topics will vary, but possible course themes include: political thought in Islam, slavery in Islamic civilization, Nationalism and Ethnicity in the Middle East, and Women in the Islamic world.

FORMAT: Seminar

HIST 4545 Scripture and Statecraft: History of Islamic Political Thought

CREDIT HOURS: 3

This course is dedicated to understanding how Arab-centric tribal relations and networks initially defined Islamic politics in 7th-century Arabia, and how these definitions were later influenced by external 'imperial' and 'kingly' traditions (from Byzantines, Iranians, Indians). Muslim concepts of authority, however, were and still are defined by prophetic genealogies and charisma, and parts of this course will examine the shi'ite doctrine of imamate and the growth of millenarian thought. This course will also focus on the changes in political philosophy as a result of the violent arrival of the Mongols, and how traditional sunni notions of authority and state were displaced by the rise of Shi'ism and Sufism. Discussions will also focus on Muhammad ibn 'Abd al-Wahhab and Jamal al-Din al-Afghani and the extent to which Islamic political thought retooled and reappraised in the wake of European hegemonic imperialism. The remainder of the course will examine the rise of Islamism, its radicalization following World War Two, and the implications of Islamism and its opponents against the backdrop of the Islamic Revolution in Iran and other religious-political movements in the Middle East, Africa, and South Asia.

FORMAT: Seminar

PREREQUISITE: Any 3000-level course in Middle East history or permission of the instructor

CROSS-LISTING: HIST 5545.03

HIST 4550 Orientalism and Occidentalism

CREDIT HOURS: 3

This seminar is intended for senior undergraduate and graduate students interested in discussing how scholarship has historically approached non-Western and non-Christian areas of the globe. Dating back to Herodotus, Plato, and Isocrates, the description of "the Other" has been a consistent theme in European literary and academic traditions. Whether or not it was the apologetic theological rivalry between Islam and Christianity in the Middle Ages, or the Humanist mania for non-European languages and ethnography, Occidental scholarship has historically been attracted to understanding and depicting the non-Occident. This course will examine the different European intellectual traditions of early modern Europe and how they laid the foundation for subsequent 19th and early 20th century characterizations of the Islamic world. Concurrently, however, there is evidence that a discourse of "Occidentalism" emerged among Muslim scholars and literati, and the ensuing dialectic between West and East framed the introduction of a number of political and religious ideologies to the Middle East, Iran, Central Asia, and India. There will be readings and discussions of a number of different scholars and theorists - Foucault, Chakrabarty, Said - who have commented on these discourses. Equal attention will be given to those Muslim scholars - Shayaghan, Soroush, al-Ahmad - who have written and commented on these dynamics between Western and Islamic civilization.

FORMAT: Seminar

PREREQUISITE: Any 2000 or 3000-level course in Middle East history or permission of the instructor

HIST 4555 A Dream Palace or a Bitter Reality: Arab Intellectuals and Their Ideologies in the Modern Period

CREDIT HOURS: 3

From Ottoman reforms to European colonialism, from the creation of the state of Israel to the invasion of Iraq, Arab intellectuals have been constantly evaluating the weight of the past, the burdens of the present and the prospects of the future. This course examines the ideas and ideologies of Arab intellectuals of Muslim, Christian and Jewish background and those who reside in the Arab world as well as those who have made their careers in the West.

FORMAT: Seminar

PREREQUISITE: Any 2000 or 3000 level course in Middle East history or permission of the instructor.

HIST 4600 Topics in Late Nineteenth- and Twentieth-Century American and British History

CREDIT HOURS: 3

This course will, depending upon the staffing in any particular year, examine a selection of themes in late 19th and 20th century British and American history, including, for instance, labour/labour history, political history (including state formation), cultural history, and history of race and national identity. Depending upon staffing, this course may concentrate upon the history of one country or may offer a comparative aspect. It will be intended for graduate or senior undergraduate students with some background in either British, American or Canadian history. Evaluation will be through research papers and, possibly, a final exam.

FORMAT: Seminar

PREREQUISITE: 3000-level course in modern British, American or Canadian history

CROSS-LISTING: HIST 5600.03

HIST 4613 Women's Suffrage from the French Revolution to World War I

CREDIT HOURS: 3

The question of women's participation in representative government first emerged during the French Revolution but by 1914, only two European countries had granted women the right to vote. This seminar explores the suffrage movement in the nineteenth century and the obstacles in the process of women's enfranchisement.

FORMAT: Seminar

PREREQUISITE: Some background in Modern European History

CROSS-LISTING: GWST 4315.03

HIST 4614 Topics in the History of Sexuality

CREDIT HOURS: 3

This seminar is intended for senior undergraduates. The specific content of the course varies from year to year, with a general focus on comparative, historiographic, and theoretical issues relating to the history of sexuality. Topics may include: the rise and fall of schools of sexology as embodied by Ellis, Freud, and Kinsey; sexual violence and harassment; the commodification of sexuality; the history of the body; sexuality and colonialism; gay and lesbian subcultures; and the intersection of class, race, and gender in sexual experiences, discourses, and communities.

FORMAT: Seminar

PREREQUISITE: HIST 2614.03 or GWST 2300.03 or HIST 2615.03 or GWST 2301.03 or HIST 3358.03 or GWST 3358.03 or GWST 2500.03 or GWST 2800.03 or HIST 3013.03 or GWST 3013 or permission of the instructor

CROSS-LISTING: GWST 4330.03

HIST 4639 Britain, Appeasement, and the Origins of the Second World War

CREDIT HOURS: 3

This course examines Britain's response to the rise of expansionist regimes in Germany, Italy, and Japan during the 1930s. Topics of discussion will include: the historical "roots" of appeasement; Neville Chamberlain and the Munich Conference; the Foreign Office; the Treasury; the armed services and British rearmament; the press and public opinion.

FORMAT: Seminar

PREREQUISITE: One previous British history course

HIST 4980 Reading and Writing 'Postmodern' 'History'

CREDIT HOURS: 3

According to a number of post-modern theorists we have now reached the "end of history." History, they argue, as it is now taught at Dalhousie University, and many other universities around the world, is a dead or dying field of study of study. Taking this assumption as a starting point this course is designed to explore what alternative accounts of the "before now" could look like. The course itself consists of three parts. The first part will concentrate on some of the key ideas behind "postmodern" theory. In the second part we will examine various historical studies written by both modern and postmodern historians in order to understand the differences between the two interpretive approaches. In the third part of the course you will have the opportunity to write and present your own papers on the before now. You will do so by participating in an act of intellectual disobedience whereby you will reject many of the current rules of writing history in order to create your own "uncompromising, emancipatory message."

FORMAT: Seminar

PREREQUISITE: Third year history course

HIST 4986X/Y The Varieties of History

CREDIT HOURS: 6

This course, reserved for fourth-year Honours students in History, is a seminar that examines questions concerning the nature and value of historical enquiry that have occupied thinkers since ancient times. Through a series of wide-ranging readings it explores the meaning of history in the context of European and non-European societies and the paradigms by which, through the ages, scholars have approached the study of the past.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Concurrent enrolment in HIST 4990X/Y, or instructor's permission

HIST 4987 The Historiography of American Foreign Relations, 1776-1945

CREDIT HOURS: 3

This course is designed to introduce students to the history of American foreign policy from the Revolutionary War until World War Two. However, special emphasis will be given to events in contemporary American history, focusing on questions of interpretation and methodology. Toward this end, the seminars are designed to introduce students to both the historiography of the event under question and to some of the "theories" historians have used to interpret American foreign policy. The goal of the course is to provide students with the necessary tools to think critically about various forces at work in the development and execution of contemporary US policy.

FORMAT: Seminar

PREREQUISITE: A third-year 20th Century American History course

HIST 4988 The Historiography of American Foreign Relations Post-1945

CREDIT HOURS: 3

This course is designed to introduce students to the history of American foreign policy from the Origins of the Cold War to the demise of the Soviet Union. Rather than concentrating solely on the events as they unfolded, however, this course will focus on questions of interpretation and methodology. Toward this end, the seminars are designed to introduce students to both the historiography of the event under question and to some of the "theories" historians have used to interpret American foreign policy. The goal of the course is to provide students with the necessary tools to think critically about various forces at work in the development and execution of contemporary United States policy.

FORMAT: Seminar

PREREQUISITE: A third-year 20th Century American History course.

HIST 4990X/Y Honours Essay in History

CREDIT HOURS: 6

All History Honours students and those in combined Honours programs in which History is their principal subject must write a substantial essay on a topic to be chosen in consultation with the undergraduate coordinator and an individual faculty supervisor.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Admission to History Honours Programme

History of Science and Technology

Location:

Building/Room: University of King's College

Street Address 1: 6350 Coburg Road

Street Address 2: Arts & Administration Building

P.O. Box:

Halifax, NS B3H 2A1

Telephone: (902) 422-1271

Fax: (902) 423-3357

Website: www.dal.ca/academics/undergraduate_programs/hst.html

Email Address: admissions@ukings.ca

History of Science and Technology Program

The natural and human sciences play a central role in shaping fundamental aspects of our contemporary intellectual and material culture - how we live and the ways we think and talk about how we live. And this has been true, in varying ways, for a very long time. The History of Science and Technology (HOST) Program explores that long history and as such contributes to student's understanding of their contemporary world through understanding this vital aspect of our intellectual past. Our program is truly interdisciplinary in that we encourage students to cut across the sciences and the humanities by drawing on historical, philosophical and sociological disciplines. HOST courses are open to any student registered either at Dalhousie University or the University of King's College. We also welcome visiting students (attending on a Letter of Permission) from other universities.

Our three "core" courses (mandatory for the Combined Honours degree) cover in depth the key ideas, questions, figures and developments in the history of science for the historical periods of ancient and medieval, the early modern and the modern, respectively, always with an eye to how the study of nature has been situated within broader historical contexts. Our numerous electives branch out in a myriad of questions and topics throughout these periods, such as the relationship between science and religion, the representations of science in the media, and the role of technologies in shaping human experience.

HOST will be of interest to many kinds of students. In particular, students with interests and strengths in both the sciences and the humanities are especially at home. If you are a science student, gaining historical perspective will help you step back from your studies as well as encourage you to think critically. If you are an arts student, you will gain a humanities-based conceptual literacy about science that will become a vital aspect of your arts degree. Whatever stripe of student you are, learning about the history of science and technology will prove invaluable for helping you gain an informed, balanced and critical appreciation of science and its place in our past, our present, and maybe even our future.

Degree Options

Students registered in the BA or BSc degree at either King's or Dalhousie have two options for pursuing a degree in the HOST program: (a) as a Combined Honours degree; and (b) as a Minor.

Staff

Interim Director

McOuat, G., BA, MA, PhD (Toronto)

Teaching Staff at the University of King's College

Brooks, R., BSc (Mt. A), MSc (Waterloo), PhD (Leicester)

Frappier, M., BScA, MA (Laval), PhD (Western)

Fraser, K., BA (Vind), MA (Dalhousie), MPhil, PhD (Cantab)

Hiltz, J., BA (Vind), MA (Trent)

McOuat, G., BA, MA, PhD (Toronto)

Mitchell, B., BA (Vind), MA (Toronto)

Snobelen, S., BA (Hon), MA (Victoria), MPhil, PhD (Cantab)

Stewart, I., BSc (Trent), MA (Toronto), PhD (Cantab)

Teaching Staff at Dalhousie

Brown, R., BA, BSc (Univ of Victoria), MA/MSc, PhD (Dalhousie)

Combined Honours

The Combined Honours BA or BSc degree in HOST is offered jointly by Dalhousie University and the University of King's College. Pursuing an honours degree requires of students a higher quality of work than is required by the other undergraduate programs (such as the 120 credit hour Major). Able and ambitious students are urged to take the Combined Honours in HOST, particularly if you want to leave open the possibility of doing graduate work in the future; adjudicating bodies in graduate schools (for both scholarships and program admission) tend to look more favourably on students with Honours-level degrees. In some cases the Honours degree is a requirement. In any case, choosing the Combined Honours degree is a positive statement concerning your seriousness and abilities as a student.

The Dalhousie departmental offerings within the History of Science and Technology Program include the other honours subject, a number of possible electives, and certain cross-listed courses. The other honours subject must be selected from the following list of Dalhousie departments and Programs: Classics, Creative Writing, English, French, Gender and Women's Studies, German, History, International Development Studies, Music, Philosophy, Political Science, Religious Studies, Russian Studies, Sociology, Social Anthropology, Spanish and Latin American Studies, Theatre, Biochemistry, Biology, Chemistry, Computing Science, Earth Sciences, Economics, Marine Biology, Mathematics, Microbiology and Immunology, Neuroscience, Physics, Psychology, and Statistics. Electives may be taken in any of the above-mentioned departments and programs as well as in the following: Canadian Studies, Contemporary Studies, Early Modern Studies, Music, and Oceanography.

Students who are eligible to take an honours degree should apply to the History of Science and Technology Office and the other department or program concerned as early as possible, normally before registering for the second year. All students must meet the degree requirements for the College of Arts and Sciences as detailed in the Degree Requirements section. Because it is an honours program, the quality of work required in the program is higher than that required in a 90 credit hours or 120 credit hours major program.

Applications for admission must be made to the Dalhousie department concerned and to the History of Science and Technology Office at King's on forms available from the Registrar at Dalhousie or King's. Students should apply to the program and seek advice on course selection before registering for the second year. If this is not done, it may be necessary to make up some work not previously taken. For each individual student, the entire degree program, including elective courses, is subject to supervision and approval by the Dalhousie department concerned and by a member of the History of Science and Technology teaching staff.

All History of Science and Technology students are encouraged to acquire (through appropriate courses) competence in languages which are relevant to their degree, interest and future plans.

The joint Dalhousie/King's History of Science and Technology Combined Honours Program is based on the general requirement that the full credits needed to graduate include:

1. In the case of a Combined Honours BSc degree, a minimum of 66 and a maximum of 84 credit hours beyond the 1000 level in the two honours subjects, but not more than 54 and no fewer than 30 credit hours being in either of them. The larger number of honours credit hours must be in the science subject. In the case of a Combined Honours BA degree, a minimum of 66 and a maximum of 84 credit hours beyond the 1000 level in the two honours subjects, with no more than 48 and no fewer than 30 credit hours in either.
2. Two to four - depending on the number selected in the Honours subject - elective credits.
3. The three "core" courses in History of Science and Technology: HSTC 2000.06, HSTC 3000.06, HSTC 4000.06. (With special permission from the Director CTMP 3000 may be substituted for one of the core courses.
4. Six credit hours in a Writing Course.
5. six credit hours in a **single** language/humanities subjects (see Section 1 of Subject Groupings).
6. six credit hours in a **single** social science subjects (see Section 2 of Subject Groupings).
7. six credit hours in a **single** life or physical science subjects (see Section 3 of Subject Groupings).
8. six credit hours in a **single** language for Bachelor of Arts (see Language Course section)
9. Six credit hours in math for a Bachelor of Science (See Math Requirements section)
10. No more than 18 credit hours of the first 30 credit hours to be taken may be in a single subject.
11. An honours qualifying examination (see Degree Requirement: BA, BSc Combined Honours (4 Year)). History of Science and Technology students may choose to acquire this additional grade in either honours subject. In the History of Science and Technology Program, completion of the Honours Seminar (HSTC 4500.06) fulfils the requirement of the honours qualifying examination; or, with the approval of the director, an honours thesis (HSTC 4550.06) may also serve to fulfil the requirement of the honours qualifying examination. **For a Combined Honours BSc, the larger number of credit hours must be in a science subject.**

Students will be eligible to take an "Independent Reading" course only when they reach their third or fourth year. There will be six options for this course, but only six credit hours may be taken in a year. No more than 12 credit hours of this type may be taken during the course of study. The permission of a member of the teaching staff and the Director of the Program is necessary in order to take one of these courses, and their availability is strictly limited.

Minor in History of Science and Technology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

The course requirements for the Minor in HOST are as follows, including a minimum of 18 to a maximum of 27 credit hours:

Six credit hours selected from the following courses:

- HSTC 2000.06: Ancient and Medieval Science
- HSTC 2200.06/SCIE 2000.06/HIST 2074.06/BIOL 3503.06: Introduction to the History of Science
- HSTC 3000.06: The Scientific Revolution
- HSTC 4000.06: Science and Nature in the Modern Period

Any other 12 credit hours selected from HSTC courses (or cross listed with HSTC courses) numbered 2000 or above.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

All courses in the History of Science and Technology, excluding HSTC 1200, require students to have completed at least one year of university study (maximum 30 credit hours) prior to enrolment.

Note: Many of the following courses are not offered every year. Please consult the current timetable.

Course Descriptions

HSTC 1200X/Y Knowing and Making the World: The History of Science from the Ancients to the Moderns

CREDIT HOURS: 6

This course is a broad introductory survey of the central developments in the history of science, open to first and higher level students whatever their fields, and may be an introduction to further study in the history of science. It examines the most revolutionary figures from the Greeks to the modern period. The work of each of these had such a profound influence upon their own era and upon subsequent times that students in the humanities will find this course clarifies the nature of science and its cultural importance. Students in the sciences will recognize that their contributions have been permanently woven into the fabric we call science. In uncovering the sources and character of each of these transformations in the theory and practice of science, the course will challenge conventional views about the nature and place of science. This course may be taken as an arts or science credit.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Students who are registered as combined honours with History of Science and Technology are not permitted to take this course.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2074X/Y.06, HSTC 2200X/Y.06, SCIE 2000X/Y.06

EXCLUSIONS: HSTC 2201.03, BIOL 3502.03, HIST 3072.03, HIST 3074X/Y.06, SCIE 4000.03

HSTC 1800 Technology and Engineering: from the Stone Age to the Industrial Age

CREDIT HOURS: 3

Through case studies from the history of major engineering disciplines, this course examines the reciprocal influences of technology and engineering practice and social, political, and economic institutions from ancient times to the first industrial revolution.

FORMAT: Lecture| Tutorial

PREREQUISITE: HSTC 1801.03 Or Permission from the HOST director.

HSTC 1801 Technology and Engineering: from the Industrial Age to the Cybernetic Age

CREDIT HOURS: 3

Through case studies this course examines the influence of the development of technology on our social political and economic institutions in the past 200 years and how this has shaped the roles and responsibilities of modern engineers.

FORMAT: Lecture| Tutorial

HSTC 2000X/Y Ancient and Medieval Science

CREDIT HOURS: 6

This course treats the study of nature in the ancient and medieval West by a combination of both thematic and chronological approaches. It considers the most general views of nature and science as well as specific developments within these general understandings. For the purposes of the course, the ancient and medieval West is divided into four time periods: the ancient, the Hellenic, the Hellenistic and Roman, and finally the medieval. Through the reading of selected works, developments in respect to the following are treated: I. Concepts of nature, II. Mathematics and Astronomy, III. Material and Elemental theories, IV. Biology and the Soul, V. The meaning of "techné".

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Seminar

HSTC 2011 The Lecture Series

CREDIT HOURS: 3

In some years a lecture series course is offered. Students are allowed to take up to three such courses, one for each year of upper-level study. Each course will consist of six bi-weekly evening lectures given by specialists from Atlantic Canada and beyond, and a weekly two-hour seminar. The lecturers will offer students reflections on a number of contemporary issues and themes. Each year a different theme will be explored.

NOTE: Course Details listed here also apply to HSTC 3011/HSTC 4011.

FORMAT: Lecture| Seminar

HSTC 2105 The Life, Science and Philosophy of Albert Einstein

CREDIT HOURS: 3

In 1999, *Time Magazine* named Albert Einstein "Person of the Century" for the impact his scientific work had not only on physics, but also on culture in general. In this course, we will explore how Einstein's proof of the existence of atoms, his belief in light particles (the photons), and his application of the famous principle of relativity revolutionized both modern physics and philosophy. We will also pay attention to the main events of Einstein's life (his divorce, the rise of Nazism in Germany, etc.), Einstein's pacifism and Zionism, his attitude toward religion and his personal relationships with other scientists (Poincaré, Bohr, etc.) in order to better understand the personal, social and cultural contexts in which these revolutionary theories were developed. NO prior knowledge of physics, mathematics, or philosophy is expected. This course is for everyone with interest in science, but is not a science course (mathematics will be kept at a minimum).

FORMAT: Lecture| Discussion

HSTC 2120 Magic, Science and the Occult: from Antiquity to Postmodernity

CREDIT HOURS: 3

The 'scientific revolution' is ordinarily construed as the triumph of reason over superstition, of science over sorcery. This course argues that the rhetoric of 'enlightenment' conceals a deep continuity between Modern science and the occult traditions of the Middle Ages and the Renaissance. The prototype of the experimental scientist is the Faustian magus. We investigate the role of Hermeticism, magic and the occult in the scientific revolution and the persistence of these esoteric currents in later movements, from German *Naturphilosophie* to Jungian psychology.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2990.03, EMSP 2360.03

HSTC 2200X/Y Knowing and Making the World: The History of Science from the Ancients to the Moderns

CREDIT HOURS: 6

This course is a broad introductory survey of the central developments in the history of science, open to first and higher level students whatever their fields, and may be an introduction to further study in the history of science. It examines the most revolutionary figures from the Greeks to the modern period. The work of each of these had such a profound influence upon their own era and upon subsequent times that students in the humanities will find this course clarifies the nature of science and its cultural importance. Students in the sciences will recognize that their contributions have been permanently woven into the fabric we call science. In uncovering the sources and character of each of these transformations in the theory and practice of science, the course will challenge conventional views about the nature and place of science. This course may be taken as an arts or science credit.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Students who are registered as combined honours with History of Science and Technology are not permitted to take this course.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2074X/Y.06, HSTC 1200X/Y.06, SCIE 2000X/Y.06

EXCLUSIONS: HSTC 2201.03, BIOL 3502.03, HIST 3072.03, HIST 3074X/Y.06, SCIE 4000.03

HSTC 2202 The Beginnings of Western Medicine: the Birth of the Body

CREDIT HOURS: 3

This course will look at how the body was viewed in ancient scientific theory and practice. Western medicine as a rationalized scientific practice finds its origins in the ancient Greek philosophical and medical texts attributed to "Hippocrates". Through a close reading of selected ancient medical texts, this course will explore ideas of how the human body is constituted, how it relates to the Cosmos as a whole, what the role of the physician was seen to be, and how illness and healing were seen as changes in the balance of the components of the body.

FORMAT: Lecture| Seminar

HSTC 2204 The Darwinian Revolution

CREDIT HOURS: 3

Arguably, the Darwinian Revolution marks the greatest revolution in our conception of nature and our place within it, deeply challenging received views on chance, teleology, history, the soul and nature. This course opens up the historical and philosophical background to the Darwinian revolution, the main episodes of that revolution and the consequences for contemporary moral, scientific and social theory. Emphasis will be placed on reading contemporary primary texts.

FORMAT: Lecture| Seminar

HSTC 2205 Totalitarianism and Science

CREDIT HOURS: 3

The question of who has authority over funding, direction and priorities of modern science is a central political concern. This course considers the case of totalitarian states (USSR and Nazi Germany) and consists of two parts. Part I analyses the essential features of totalitarian regimes. Part II concentrates on the fortune of particular sciences (medicine, biology, physics) under them.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2985.03, CTMP 2205.03

HSTC 2206 Bio-Politics: Human Nature in Contemporary Thought

CREDIT HOURS: 3

To what extent do biology and culture determine what it is to be human? Drawing on theorists ranging from Foucault to Steven Pinker, this course will examine the recent political, moral and existential issues raised by attempts to answer that question. Topics will include socio-biology, evolutionary psychology, the construction of human kinds and the problem of free will.

FORMAT: Lecture

CROSS-LISTING: CTMP 2203.03

HSTC 2208 Science and Medicine in Islamic Societies, 700–1500

CREDIT HOURS: 3

Through a combination of primary and secondary source readings, this course explores some of the major trends and debates within science and medicine in Islam from the seventh century till the early modern period. A special emphasis is placed on situating these developments within the larger political, social and institutional structure of Islamic societies.

FORMAT: Seminar

CROSS-LISTING: RELS 2208.03

HSTC 2210 Engineering the Planet: the Anthropocene Era, from Prehistory to Today's Global Crisis

CREDIT HOURS: 3

Technological developments have had such a fundamental impact on the environment that the geologists are now contemplating the idea that the planet might have entered a new geological epoch, the Anthropocene, in which humans would be the main geophysical force at play. This course critically examines this debate by offering a historical survey of the impact of human technology on the environment, from prehistory to early 21st century. Attention will also be given as to how social, political, cultural, and economic factors have influenced this history.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: HSTC 3210.03

HSTC 2310 Women and Gender in Early Modern Science

CREDIT HOURS: 3

This course will explore the roles of women, and questions about women's nature, in the development of Early Modern science. The course will consider several interrelated aspects of scientific culture in the sixteenth, seventeenth, and eighteenth centuries: first, we will look at the place of women in the scientific institutions of the time. Although women were, for the most part, excluded from universities and scientific academies, some women were able to do scientific work through their participation in salons and craft guilds. The second part of the course will look at the contributions of some particular women to the fields of physics, astronomy, botany, and medicine. We will then examine how science interpreted sex and gender. We will pay special attention to the biological sciences and their treatments of sex differences, conception, and generation. We will consider how these biological theories were influenced by, and at the same time used to uphold, various political and social structures. Finally, the course will explore the ways in which gender and nature were portrayed in the broader cultural context. We will, for example, discuss the ways in which women were depicted as scientists and as symbols of science in art and literature.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 2310.03, GWST 2310.03

HSTC 2340 The Origins of Science Fiction in Early Modern Europe

CREDIT HOURS: 3

In 1500, literate Europeans lived in a bounded, geocentric universe. By 1800, the sun had replaced the earth at the centre of a limited planetary system situated in infinite space. These changes prompted early modern philosophers, scientists and writers to consider the possibility that the universe might contain a plurality of worlds. This course will explore the ways in which the "plurality" theme was developed in some of the earliest works of science fiction. We will consider this theme as it appears in stories of intergalactic voyages, utopian societies, and encounters with extraterrestrial beings, paying special attention to the ways in which early modern writers used these tales to speculate on philosophical, political, and scientific issues.

FORMAT: Seminar

CROSS-LISTING: EMSP 2340.03

EXCLUSIONS: EMSP 2330.03

HSTC 2400 Science and the Media

CREDIT HOURS: 3

From the first Babylonian astronomical records on cuneiform to the public understanding of science on television, the various media have long been crucial to the success and spread of science. This course provides a history of science in the media from the ancient and medieval use of geometrical diagrams, astronomical figures and anatomical illustration through early modern printed texts, popular broadsheets and color botanical plates all the way to the ubiquity of science in literature, cinema and on the Internet. This expanding presence of science in the media is examined against the backdrop of three revolutions: literary and artistic (ancient and medieval worlds), mechanical (early modern period) and electronic (contemporary age). Specific themes considered include the increasing accuracy of scientific illustration, the rise of scientific journals, public scientific demonstrations, science in poetry and prose fiction, science and art, radio and television documentaries, the advertising and marketing of science, scientific apocalypses and techno-utopias, bioethics, Soviet era technological iconography, environmentalism and science-religion relations in the journalistic press, science fiction from H.G. Wells' *War of the Worlds* to *Star Wars* and *Jurassic Park*, and science in computing and cyberspace.

FORMAT: Lecture| Seminar

CROSS-LISTING: JOUR 2400.03

HSTC 2500 Science Fiction in Film

CREDIT HOURS: 3

This course studies portrayals of science and technology in science fiction film. Themes examined include the "mad" scientist; science as malevolent versus science as salvation; the survival of humanness in a technological world and the contrary trend of dehumanisation in the face of advancing technology; scientific utopias and dystopias; science fiction as self-fulfilling prophecy; voyages into space and inner space; time travel; computers and artificial intelligence; nuclear holocaust and environmental apocalypses; alien life; genetic engineering; imagined technocracies; and science fiction as a vehicle for social and political commentary. Films screened will include classics of science fiction such as *Metropolis* (1927), *The Time Machine* (1960), *Solaris* (1972), *Bladerunner* (1982) and *The Matrix* (1999). These feature films will be supplemented with footage from civil defence films, government celebrations of science and technology along with science documentaries. Films will be accompanied in class by discussion and criticism and students will also read scholarly treatments of cinematic science fiction. Evaluation will be based on participation, written work and a final examination.

FORMAT: Discussion

HSTC 2809 Making History: A Global History of Technology through reproductions from Prehistory to the First Industrial Revolution

CREDIT HOURS: 3

This course explores the reciprocal influences of technology and social, political, cultural and economic institutions from the Stone Age to the First Industrial Revolution (ca. 1800) using case studies from the history of technology and historical reproductions.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: HSTC 1800.03

HSTC 2810 History of Chinese Science and Technology

CREDIT HOURS: 3

This course introduces central features of the history of science and technology at the heart of Chinese and East Asian history. Focus will be on and the long-term global trajectories of environmental and technological change that transformed the production of goods, the conduct of governance, and the relationships between humans and their environments.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CHIN 2040.03

HSTC 3000X/Y The Scientific Revolution

CREDIT HOURS: 6

This course examines the origins and meanings of the "Scientific Revolution", the term now used to describe the spectacular changes in world view in the 16th to 18th centuries when the sciences both reinterpreted and broke away from the received ancient and medieval world views. Surveying traditional and revisionist historiography, this course will explore the new conceptions of mechanism, the body, matter and motion that emerged in this period, along with the new methods of experiment and mathematical reasoning; the discoveries in astronomy, biology and physics; and the rise of public and commercial science in the 18th century. The result of individual innovation, internal reform, the impact of other fields of thought and the appropriation of non-Western ideas and technologies, these shifts in outlook will be examined against the backdrop of the broader transformations that took place in culture, society, politics, religion and philosophy. Emphasis will be placed on reading the primary texts of notable figures such as Copernicus, Galileo, Descartes and Newton, as well as the activities of men and women who existed on the peripheries of science, either by virtue of marginalization or by belonging to anti-science oppositional cultures.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Seminar

HSTC 3011 The Lecture Series

CREDIT HOURS: 3

See HSTC 2011.

FORMAT: Lecture

HSTC 3120 Distilling Nature's Secrets: The Ancient Alchemists

CREDIT HOURS: 3

This course explores the scientific and esoteric currents which contributed to the rise of alchemy in the late Ancient World. This 'sacred science' of transmutation was a cultural synthesis of Greek natural philosophy, late pagan mysticism, and Near Eastern metallurgic technologies. The physical processes enacted in the alchemical laboratory - where metals were decomposed, purified and transformed - were experienced inwardly by the alchemist himself as a spiritual drama of death and resurrection, analogous to the rites of initiation in the mystery cults. Alchemy was thus a form of ritual technology, aimed simultaneously at the purification of self and cosmos. The texts studied in the course range from technical manuals preserved on papyrus, to the highly esoteric and visionary works of the Hermetic philosopher Zosimos (circa 300CE). The relation between these technical and occult dimensions will be of central concern.

FORMAT: Lecture| Seminar

HSTC 3121 In Search of the Philosopher's Stone: The History of European Alchemy

CREDIT HOURS: 3

This course traces the development of alchemical theories and practices in the Medieval Latin West up to the emergence of early modern chemistry. It employs a multi-disciplinary approach which treats the scientific, technological, esoteric and iconographic dimensions of alchemy as interdependent. The entire development of European alchemy is covered from the transmission of the Greek and Islamic alchemical traditions in the 12th century up to Newton, whose alchemical theories represent a point of transition to early modern chemistry in one direction, and to a more spiritualised occult philosophy in the other. This course is independent of HSTC 3120.03. All students interested in the intersections of science, magic and mysticism are welcome.

FORMAT: Lecture| Seminar

CROSS-LISTING: HIST 3990.03, EMSP 3321.03

HSTC 3130 The Origins of Chemistry: From Alchemy to Chemical Bonds

CREDIT HOURS: 3

This course explores the scientific and social development of modern chemistry from the work of 17th-century alchemists to the chemical revolution of Lavoisier and Dalton, the beginnings of organic chemistry and biochemistry, the development of the periodic table, and the modern understanding of atomic structure and chemical bonds. Notes: There is no science pre-requisite for the course.

FORMAT: Lecture| Seminar

HSTC 3150 Nature and History

CREDIT HOURS: 3

In the nineteenth and twentieth centuries, the study of the natural world and historical thought have been closely linked. Participants in the seminar will read texts which helped to define ideas of history in the era after the Enlightenment and consider how these ideas influenced, and were influenced by, developments in scientific thought. The seminar will consider how nature and history are related in idealism, historical materialism and the thinking of the evolutionists, and how this connection is rejected by Nietzsche, Freud and Foucault.

FORMAT: Seminar

CROSS-LISTING: CTMP 3250.03

HSTC 3200 Science and Religion: Historical Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the dawn of civilization to the end of the eighteenth century, with a special focus on the early modern period. From an examination of the biblical view of nature, ancient Babylonian astrology and divination and Plato's *Timaeus*, this course moves through a treatment of the centrality of theology to Medieval science on to natural theology and the "Watchmaker" Design Argument of the seventeenth and eighteenth centuries. Models of conflict, harmony and complementarity offered to characterize relations between science and religion are explored through case studies such as Galileo's controversy with the Church and instances where religious belief inspired scientists like Boyle and Newton. Claims that certain confessional traditions (notably Protestantism and its dissenting offshoots) facilitated the rise of modern science are also appraised. Science-religion relations are examined both from the standpoint of mainstream religion and with respect to religious heterodoxy, prophecy, alchemy, magic and witchcraft. This course employs examples from Islamic cultures in addition to the Judeo-Christian tradition. Special features include a focus on primary texts and guest lectures by scientists.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 3330.03, HIST 3075.03, RELS 3200.03

HSTC 3201 Science and Religion: Contemporary Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the rise of Darwinism in the early nineteenth century to the contemporary postmodern age. From an examination of nineteenth-century "Scriptural geology" and the religious impact of Darwin's *Origin of Species* (1859), this course moves on to such contemporary topics as the religious interpretations of quantum mechanics, the Big Bang, the anthropic principle, medical science, bioethics, evolutionary psychology, chaos theory, aesthetics in nature, science fiction and extra-terrestrial life (including SETI). Case studies of "conflict" emanating from Darwinism, the Scopes Trial and the on-going Creation-Evolution debates are contrasted with examples of harmony and interdependence between science and religion in the careers of 19th and 20th century scientists, along with phenomena like the new Intelligent Design (ID) movement. The religious scope of the course is intentionally wide-ranging, and examinations of science-religion interaction within native American, African and the New Age spirituality are added to treatments of traditional eastern and western religion. Special features include a focus on primary texts, the use of film and guest lectures by scientists.

FORMAT: Lecture| Seminar

CROSS-LISTING: CTMP 3201.03, RELS 3201.03, HIST 3076.03

HSTC 3205 Knowledge is Power: Francis Bacon and the Birth of Modernity

CREDIT HOURS: 3

Francis Bacon (1561-1626) helped shape our modern assumptions that natural knowledge (science) will lead to both human flourishing and political power. By reading some of his works in their late Renaissance context we will reflect on the birth of those assumptions, thus gaining a new perspective on their modern form.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 3340.03

HSTC 3212 The Biosphere: Global Perspectives in Science and Philosophy

CREDIT HOURS: 3

Intended for both science and humanities students interested in ecology, this course will focus on the historical, philosophical and methodological aspects of central concept of "biosphere" in order to provide a picture of the history and actual state of affairs in the study of global ecology. We will address both purely scientific and philosophical topics such as the holism vs. reductionism debate; the compatibility of the global approaches with the most influential version of contemporary Darwinism (STE); pre-Socratic precedents for the notion of biosphere; modelling nature in the modern global ecology and many others.

FORMAT: Lecture| Tutorial

HSTC 3250 Going Wild: Exploring the Animal Nature of Humans

CREDIT HOURS: 3

The major concentration of this course is the question of how and to what extent evolutionary sciences can explain the brilliance and insanity of the "moral animals" including the current course of the Western civilization. We will discuss the evolutionary foundations of romantic (!) love, suicide, sports, diets, and sexual self-identification.

FORMAT: Seminar

EXCLUSIONS: HSTC 3615.03

HSTC 3310 Hidden Worlds: Microscopy in Early Modern Europe

CREDIT HOURS: 3

Microscopes were introduced into Europe at the beginning of the seventeenth century. In the words of Robert Hooke, the microscope opened up a "new visible World" to the understanding -- a strange new landscape populated by vast numbers of new creatures. This course will explore the influence the microscope, and the micro world that it opened up, in the development of early modern science. In the first part of the course, we will take a close look at early microscope technology and its evolution in the seventeenth, eighteenth, and early nineteenth centuries. The second part of the course will explore the role of the microscope in the evolution of early modern science. We will, for example, consider the role of microscopy in the emergence of the new mechanical philosophy and the new experimental science. We will also discuss the histories of some scientific theories (for example, of contagion and generation) that made particular use of observations made with microscopes. Finally, the microscope's revelation of "new worlds" raised conceptual difficulties that puzzled scientists and philosophers alike. In the final part of the course we will consider the challenges that new kinds of experience raised for early modern philosophy, as well as the possible influence of philosophical debates on the acceptance of the new technology.

FORMAT: Lecture| Seminar

CROSS-LISTING: EMSP 3310.03

HSTC 3320 Oracles, Omens and Astrology in the Ancient World

CREDIT HOURS: 3

In all of the cultures of antiquity there were specialists who claimed knowledge of future events based on the reading of ominous "signs" in various media, earthly and heavenly. This course examines the history of divination and astrology in Mesopotamia, Egypt, Greece and Rome from a multidisciplinary perspective.

FORMAT: Lecture| Seminar

EXCLUSIONS: HSTC 2300.03

HSTC 3331 History of the Marine Sciences

CREDIT HOURS: 3

In this course, we will trace the history of marine sciences from the ancients to the 20th century. Topics may include ancient cosmologies, voyages of discovery, ocean circulation, and a range of scientific perspectives and technological developments that have shaped human understanding of the oceans.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: HIST 3073.03, BIOL 4664.03, MARI 4664.03, OCEA 4331.03/5331.03, SCIE 4001.03

RESTRICTIONS: Restricted to 3rd year students and above.

HSTC 3411 Feminism and Science

CREDIT HOURS: 3

Science has been the subject of intense scrutiny by contemporary feminist theorists. The course will examine the various feminist critiques of natural science, as well as the positive proposals that feminism has brought to science and scientific culture. Questions that will be addressed include: Is the style of science gendered? Has feminism influenced the content of various sciences? How has science contributed to gendered constructions of nature? Is there such a thing as value-free scientific research? How do feminist theories of knowledge differ from traditional understandings of scientific knowledge and scientific objectivity? The readings for this course will include work by Donna Haraway, Sandra Harding, Evelyn Fox Keller, Helen Longino, and Hilary Rose.

FORMAT: Seminar

CROSS-LISTING: GWST 3215.03, CTMP 3215.03

HSTC 3412 Hypatia's Daughters: Women in Science

CREDIT HOURS: 3

From Hypatia to Hildegard von Bingen, from Mary Somerville to Marie Curie, this course surveys the scientific contributions made throughout history by some of the most important women scientists and natural philosophers while examining how their respective social contexts shaped their philosophical and scientific practice.

NOTES: This course complements but is distinct from EMSP 2310: Women and Gender in Early Modern Science, which focuses on the work of early modern women scientists, and from GWST 3215: *Feminism and Science*, which focuses on questions from feminist epistemology which will only be indirectly discussed in this course.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 3412.03

HSTC 3415 Brewing Science: The History, Culture and Science of Beer

CREDIT HOURS: 3

Beer and the process of brewing stand at the origins and centre of the key developments of the "West", its cultural institutions and scientific developments. This lecture/seminar class will take an interdisciplinary approach to the study of the relation between brewing history, science and culture by focusing on primary texts along with in-class reconstructions of particular experiments and activities associated with the history of brewing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: HSTC3611.03 for the 2007/08 and 2013/14 academic years

HSTC 3430 Experiments in the Mind: Thought Experiments in Physics

CREDIT HOURS: 3

Einstein's elevator, Schrodinger's cat, Maxwell's demon; the history of physics is full of these instructive fictions that are thought experiments. This course examines the historical contexts of many thought experiments in order to understand the different roles they have played in the conceptual development of physics from Antiquity to the present.

FORMAT: Lecture| Seminar| Discussion

HSTC 3501 The Nature of Time I

CREDIT HOURS: 3

This course will consider views of time beginning with Mesopotamian notions of narrative, Egyptian conceptions, and the encounter between linear and circular time in Judaic thought. The vision of Greece will be brought out through epic narration, in Pre-Socratic thought, in Greek historical texts. The course will treat some central texts, in Plato on the concept of time in the soul, in Aristotle, where time becomes the measure of motion, in the willed totality in Stoic and Epicurean thought, in Plotinus, where time is grounded in a pretemporal duration. The course will then take up the relation of this duration and time to revelation, creation and conversion in Medieval Christian, Islamic and Jewish thought.

FORMAT: Seminar

HSTC 3502 The Nature of Time II

CREDIT HOURS: 3

This course will consider time as it is viewed in periods of the west from the Renaissance to the present. The early modern conceptions of time and fortune will be considered along with Renaissance notions of the temporality of the human and the heavens. The revolution in the philosophy of nature meant a change in the techniques of measurement, and in the very notions of time, culminating in the conceptions of Descartes, Newton and Leibniz. Time became a different kind of social reality through the enlightenment, a middle ground of progress between the human and the natural, a ground disclosed most fully in the thought of Kant and Hegel. The nineteenth century gives to time, not a mediating role but an otherness: in Darwin, Marx, Nietzsche. Is it an overriding direction, as disclosed in the second law of thermodynamics, or is it the illusion bound up with indifferent necessity? Does relativity leave us with a coherent concept or is time left a presentation of the phenomenon, a way of being, as for Husserl, Merleau-Ponty and Heidegger? The course will end in considerations of time and chaos theory, of the first three minutes and of the last.

FORMAT: Seminar

HSTC 3610 Studies in Ancient and Medieval Science

CREDIT HOURS: 3

Topics vary each year. Some of the topics are "Causation", "History of dissection", "Mesopotamian science", "Sciences and cultures in antiquity", "The mangle of praxis", "Ptolemy", "Ancient Method", "Embryology", "Posterior analytics", etc. For descriptions of the current year's studies topics, please contact the History of Science and Technology Program.

NOTES: Not more than two studies courses (one full credit) and no more than one of each course number, can be taken for credit towards the History of Science and Technology Program.

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 3610.03 (for the 2010/2011 academic year only)

HSTC 3611 Studies in Early Modern Science (1500-1800)

CREDIT HOURS: 3

Topics vary each year. Some of the topics are: "Science and Society", "Popularization of Science", "Science and Religion", "Technology and Scientific instruments", etc. For descriptions of the current year's studies topics, please contact the History of Science and Technology Program.

NOTES: Not more than two studies courses (one full credit) and no more than one of each course number, can be taken for credit towards the History of Science and Technology Program.

FORMAT: Lecture| Discussion

HSTC 3615 Studies in Science and Nature in the Modern Period

CREDIT HOURS: 3

Topics vary each year. Some of the topics are: "The Century of the Gene", "Cybernetics", "Nazi Science", "The Political Economy of Science", etc. For descriptions of the current year's Studies topics, please contact the History of Science and Technology Program.

NOTES: Not more than two studies courses (one full credit) and no more than one of each course number, can be taken for credit towards the History of Science and Technology Program.

FORMAT: Lecture| Discussion

HSTC 4000X/Y Science and Nature in the Modern Period

CREDIT HOURS: 6

This course examines the history and culture of science in the post-Newtonian period and the attempts to come to terms with contemporary science and its notions of "scientific method" and natural law, the rise of globalized "technoscience" and a scientific way of life. The course will examine the themes of the "historicisation" of nature culminating in the Darwinian revolution, the rise of "big" science, probabilistic accounts of the world, the triumph of the "new physics" of quantum mechanics and relativity theory and the construction of notions of gender and human nature in modern biology and psychology. These issues will be examined in the broader cultural and philosophical transformations of the modern period.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Seminar

HSTC 4011 The Lecture Series

CREDIT HOURS: 3

See HSTC 2011.

FORMAT: Lecture| Seminar

HSTC 4102 Topics in Ancient Natural Philosophy

CREDIT HOURS: 3

Through the close reading of one selected ancient work, this course seeks to explore fundamental problems in ancient natural philosophy, such as: How did the ancients see the validity of their approaches to the natural world? What sorts of phenomena were seen as "natural" in antiquity? What are the limitations to textual evidence for ancient science? How did theories about the natural world inform how the ancients saw their place in the Cosmos? How did ancient social values affect views of nature?

FORMAT: Seminar

HSTC 4120 Artefacts: The Material Culture of Science and Technology

CREDIT HOURS: 3

The history of science and technology is not just about ideas, it is also about things. Through the creation of their own exhibit, students will learn how to 'read' artefacts, discuss the current material culture literature, study artefact conservation, and explore the challenges faced by today's science museums.

FORMAT: Seminar

HSTC 4200 Philosophies of Technology I From Techne to Technology

CREDIT HOURS: 3

This half-year course will explore the history, structure and associated problems of our coming to be technological, beginning with an elaboration of the concept of "techne" in the ancients and its modification in the technical arts and instrumental reasoning of the Enlightenment and of 19th-century industrial ideology. Post-Enlightenment critiques polarized around the place of the machine and alienation in Karl Marx and the "question concerning technology" in Martin Heidegger will then be examined, leading up to an examination of the present state of technological discourse. In each case, we shall mark the importance of contextualising the debate by exploring the actual historical evolution of technology. Lectures will be devoted to presenting a social and historical background to the development of modern technologies whilst seminars will focus on the reading of primary texts in the field.

FORMAT: Seminar

CROSS-LISTING: CTMP 4200.03

HSTC 4201 Philosophies of Technology II: The Questions Concerning Technology

CREDIT HOURS: 3

This half-year seminar will explore in detail the implications of powerful contemporary debates concerning the meaning and place of technology. What do we mean by technology? Can there be a philosophy of technology? What are the political and cultural ramifications of going technological? Topics will include: technological determinism in history, feminist critiques, technology and development, the meaning of expertise, technology, art and the "lifeworld", "social construction" versus "actor-network" theory, Donna Haraway's concept of cyborg culture and the "modern technological sublime". The course will be conducted in seminar format with particular emphasis placed on the elucidation of historical and contemporary case-studies. Whenever possible, guest lecturers from the "real world" of technology will be invited to participate in the class.

FORMAT: Seminar

CROSS-LISTING: CTMP 4201.03

HSTC 4300 Nature and Romanticism

CREDIT HOURS: 3

Kant's "Copernican Revolution" in philosophy, ironically, marked a resurrection of a full-blown "idealist" philosophy of nature. This course will investigate the attempts of Kant's followers to construct a natural philosophy and its engagement with the rival mechanical world picture. It explores the implications of this endeavour for the growth of romanticism, vitalism and our modern picture of "nature". It begins with an examination of the ambiguous heritage presented by Kant's writings on nature and proceeds through the attempts to develop a complete program of idealist *Naturphilosophie* and its spread throughout European thought by the medium of

romanticist art and natural philosophy.
FORMAT: Lecture| Tutorial
CROSS-LISTING: HIST 5004.03, EMSP 4300.03

HSTC 4301 The History of Neuroscience.

CREDIT HOURS: 3

This course examines the history of the attempts to find the neurobiological basis for human thought and behaviour, from the ancient world to the present. It will be of interest to honours students in History of Science and Technology, as well as honours and graduate students in Psychology and Neuroscience.

FORMAT: Seminar

HSTC 4400 Newton and Newtonianism

CREDIT HOURS: 3

This seminar involves a close study of the work of Isaac Newton, along with that of his supporters and detractors. Beginning with an overview of pre-Newtonian science, topics range from Newton's rejection of Cartesianism through his contributions to mathematics, physics, astronomy and optics, along with his inductive scientific method, laws of motion and calculus priority dispute with Leibniz. Also considered are lesser-known aspects of his career, such as his secretive pursuit of alchemy, his heretical theology, his attempts to unravel the Apocalypse, his role in British statecraft and his autocratic rule of the Royal Society. A taxonomy of the forms of Newtonianism that emerged after Newton's death also allows an exploration of iconographical and apologetic uses of Newton, and his differing legacies in the Britain and France. This seminar concentrates on primary readings, including Newton's *Principia* (1687), *Opticks* (1704), alchemical treatises and unpublished theological papers, as well as the Leibniz-Clarke correspondence (1717), anti-Newtoniana and eighteenth-century popularizations of Newtonianism such as Voltaire's *Philosophical letters* (1733) and Maclaurin's *Account of Newton's discoveries* (1748). Attention is paid to the social, cultural and political aspects of Newtonianism and no prior knowledge of science is required.

FORMAT: Seminar

CROSS-LISTING: EMSP 4310.03

HSTC 4500X/Y Honours Seminar in the History of Science and Technology

CREDIT HOURS: 3

This honours seminar is specifically intended for students in the Combined Honours Degree in History of Science and Technology and will meet the requirements of the 21st credit.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

HSTC 4510 Independent Readings in History of Science and Technology

CREDIT HOURS: 3

Independent reading courses will be offered annually. The student is assigned to a member of the staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected.

PREREQUISITE: Honours registration in History of Science and Technology, permission of instructor and Director of program. Students must complete 60 credit hours before registering in this course.

HSTC 4511 Independent Readings in History of Science and Technology

CREDIT HOURS: 3

Independent reading courses will be offered annually. The student is assigned to a member of the staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected.

PREREQUISITE: Honours registration in the History of Science and Technology Programme, permission of the instructor and the Director of the program. Students must complete 60 credit hours before registering in this course.

HSTC 4515X/Y Independent Readings in History of Science and Technology

CREDIT HOURS: 6

Independent reading courses will be offered annually. The student is assigned to a member of the staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected.

PREREQUISITE: Honours registration in the History of Science and Technology Programme, permission of the instructor and the Director of the program. Students must complete 60 credit hours before registering in this course.

HSTC 4550X/Y Honours Thesis in the History of Science and Technology

CREDIT HOURS: 6

In this course the student is assigned to a member of staff for regular meetings to discuss readings and present research for the purpose of completing an honours thesis in the History of Science and Technology. Successful completion of HSTC 4550X/Y.06 gives students both their 20th and 21st credit.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Honours registration in the History of Science and Technology, permission of the instructor and the Director of the program.

International Development Studies

Location:

Building/Room: Henry Hicks Academic Administration Building

Street Address 1: 6299 South Street

Street Address 2: Room 339

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3814

Fax: (902) 494-2105

Website: www.dal.ca/ids

Email Address: IDS@dal.ca

Introduction

International Development Studies is an interdisciplinary program involving the study of poverty, inequality, social change and justice in a global context. The IDS program is structured around two broad axes: development theory/practice, and the global/local. Areas of teaching expertise among the core faculty in IDS include development theory, gender, culture, human security, rural development, migration, health, Indigenous peoples, participatory development and global citizenship. Additional areas of expertise are drawn from over 40 cross-appointed and adjunct faculty members who teach IDS approved courses and/or supervise our honours thesis and graduate students.

The department's areas of expertise include many of the key regions of the developing world, particularly Africa, Asia, Latin America and the Caribbean. We take a broad view of development - including development issues within Canada as well as the global south.

We offer a diverse set of opportunities for students to participate in experiential learning in both Canadian and international contexts. Experiential learning enables students to focus on skills development in a range of areas: language development, research, writing, managerial, etc. Through our experiential learning opportunities, students can volunteer or intern in Halifax, East Africa, Cuba, and many other locations. Students are encouraged to draw upon international development experiences from over twenty overseas linkage programs through Dalhousie and more than 50 local Halifax community organizations. Halifax is the main Maritime regional centre for official and non-governmental organizations active in international development, thereby offering opportunities for students to become engaged locally in development. Students normally participate in experiential learning programs (whether locally or abroad) in their third year of study.

The IDS program offers a study abroad option in Cuba (Winter) with FLACSO (Facultad Latino Americana de Ciencias Sociales Program Cuba) in the University of Havana as well as a spring program in Cuba.

As an interdisciplinary program, IDS recommends students consider combined degree programs. Students are therefore encouraged to enter the combined honours, double major or minor programs, which provide opportunities that further integrate their IDS studies with those of an approved arts or science field, e.g., IDS and History, IDS and Biology. Double majors and combined honours degrees provide additional opportunities for students to pursue graduate studies in more than one area.

Students with backgrounds in sciences are also welcome in this program as topics in international development cut across all disciplines from anthropology to zoology.

The interdisciplinary nature of the program requires that students take a number of credits outside the IDS department as IDS approved courses in other departments. The first year of study at Dalhousie is dedicated to completing first year requirements. IDS students are encouraged to take a broad range of disciplines in their first year to prepare them for the interdisciplinary format of the program. First year students are encouraged to participate in numerous student-led organizations related to International Development. Other events and activities are advertised on the IDS website and information can be obtained from the IDS office.

Students are encouraged to acquire competence in a relevant language in addition to English (e.g., Arabic, French, Spanish) and Economics. Research design and basic statistics courses (e.g., POLI 3492/POLI 3493 or SOSA 3402/SOSA 3403) may also be useful skills to acquire throughout the IDS degree.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements for College of Arts and Science.

The IDS Department offers the following undergraduate degree options:

IDS as the second subject of study

1. Minor in IDS (18 IDS credit hours required)
2. Double Major with IDS as the second subject (30 IDS credit hours required)
3. Combined Honours with IDS as the second subject (36 IDS credit hours required)

IDS as the primary subject of study

4. BA (90 credit hours) Minor in IDS (18 IDS credit hours required)
5. BA (120 credit hours) Double Major in IDS as the primary subject (30 IDS credit hours required)
6. BA (120 credit hours) Major in IDS (36 IDS credit hours required)
 - a. BA (120 credit hours) Combined Honours in IDS + a second subject: Thesis stream (42 IDS credit hours required)
 - b. BA (120 credit hours) Combined Honours in IDS + a second subject: Coursework stream (42 IDS credit hours required)
 - a. BA (120 credit hours) Concentrated Honours in IDS: Thesis stream - (54 IDS credit hours required)
 - b. BA (120 credit hours) Concentrated Honours in IDS: Coursework stream - (54 IDS credit hours required)

First Year Recommended Courses

To enter any of the IDS undergraduate degree programs, students must have completed 30 credit hours and are strongly recommended to fulfill the first year

requirements outlined in the Degree Requirement section of this calendar. Students who intend to pursue degrees in IDS are encouraged, but not required, to take first year courses that will both fulfill their first year requirements and contribute to their broad understanding of international development issues. Students are highly encouraged to take INTD 1102.03/CANA 1102.03 (Halifax and the World) INTD 1103.03/CANA 1103.03, which can be used to satisfy either the first year social science or humanities requirement. Students who are considering a double major or combined honours program in IDS and another discipline are also encouraged to take any pre-requisite courses for upper level courses in the other discipline. The following courses provide background to key issues or basic skills related to International Development Studies, but are not pre-requisites for upper level IDS courses:

Social Science Requirement: INTD 1102/CANA 1102, INTD 1103/CANA 1103, ECON 1101/ECON 1102; GWST 1010/GWST 1015; HIST 1501/HIST 1502, HIST 1701/HIST 1702; POLI 1010, POLI 1015, POLI 1050, POLI 1055, POLI 1103, POLI 1100; SOSA 1002, SOSA 1003, SOSA 1050, SOSA 1100, SOSA 1200; King's FYP.

Humanities Requirement: INTD 1102/CANA 1102, INTD 1103/CANA 1103, HIST 1501/HIST 1502, HIST 1701/HIST 1702; GWST 1010/GWST 1015; RELS 1001/RELS 1002; PHIL 1000; ENGL 1000, ENGL 1040, ENGL 1041; RUSN 1020/RUSN 1070; King's FYP.

Physical Science Requirement: SUST 1000, SUST 1001; ECON 1101/ECON 1102; ENVS 1000; EARTH 1060; PSYO 1021, PSYO 1022.

Language Requirement: French, Spanish, Arabic, Chinese, Italian, Russian, etc.

Writing Requirement: HIST 1005; POLI 1103; SOSA 1050; SUST 1000; PHIL 1010; ENGL 1010, ENGL 1020, ENGL 1040, ENGL 1045, ENGL 1050, ENGL 1100; King's FYP.

IDS Honours Program

The IDS Honours program is designed for students with a demonstrated aptitude for advanced study in the field.

- Admission to the IDS Honours program is based on academic performance and, in the case of the thesis stream, a thesis proposal. Applicants normally should have achieved an overall Grade Point Average (GPA) of at least 3.30 (B+) or better and a minimum B+/A- in all IDS and IDS-approved courses to be considered for admission. In the case of a combined degree, these same requirements must be met in the second major subject
- The deadline for Departmental Honours Applications is January 31 of a student's third year of study. Consult the IDS Department website

dal.ca/ids for information on how to apply to the honours program.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Cameron, J., BA (Vind), MA (SFU), PhD (York)

Undergraduate Advisors

Huish, R., PhD (SFU), Email: huish@dal.ca

MacKinnon, M., BA (MSVU), Email: marian.mackinnon@dal.ca

Administrator

MacKinnon, M., Email: marian.mackinnon@dal.ca

Professors Emeriti

Parpart, J. L., BA (Brown), MA, PhD (Boston College)

McAllister, R. I. (Economics)
Shaw, T. M. (Boston College)
Sinclair, A. (Economics)
Thiessen, V. (Sociology and Social Anthropology)
Winham, G. R. (Political Science)

Associate Professors

Cameron, J., BA (Vind), MA (SFU), PhD (York)
Mannathukkaren, N., BA (Bangalore, India), MA (Jawaharlal Nehru, India) PhD (Queen's)
Schnurr, M. A., BSc (Hons) (Queen's), MA (School of Oriental and African Studies), PhD (UBC)

Assistant Professors

Boutet, A., BA, MA (Laval), PhD (UQAM)
Huish, R., BA (Hons), MA (Queen's), PhD (SFU)
Ulicki, T., BA (McGill), MA (SMU), PhD (Sussex)

Cross-Appointed Faculty

Adams, M. (SRES)
Adl, Sina (Biology)
Arthur, P. (Political Science)
Black, D. (Political Science)
Chircop, A. (Law/Marine Affairs)
Corke, S. J. (History)
Denike, M. (Political Science)
Dubois, L. (Sociology and Social Anthropology)
Fierlbeck, K. (Political Science)
Finbow, R. (Political Science)
Fitting, E. (Sociology and Social Anthropology)
Gahagan, J. (Health and Human Performance)
Gardiner Barber, P. (Sociology and Social Anthropology)
Ghazal, A. (History)
Harvey, F. (Political Science)
Hayden, A. (Political Science)
Jackson, L. (Health and Human Performance)
Jeffers, C. (Philosophy)
Karabanow, J. (Social Work)
Kirk, J. (Spanish and Latin American Studies)
Kynoch, G. (History)
Lane, P. (Biology)
McOuat, G. (History of Science and Technology)
Merritt, B. (School of Occupational Therapy)
Mopoho, R. (French)
Murphy, C. (Sociology and Social Anthropology)
Noble, B. (Sociology and Social Anthropology)
Oakley, R. (Sociology and Social Anthropology)
Ramos, H. (Sociology)
Scherkoske, G. (Philosophy)
Tirone, S. (Health and Human Performance)
Vander Zwagg, D. (Law)
Wright, T. (College of Sustainability)
Yoshida, Y. (Sociology and Social Anthropology)
Zachernuk, P. (History)

Adjunct Professors

Akean-Lodhi, H. (Trent)
Artz, L. (Univ of Cape Town, South Africa)
Barber, B. (NSCAD)
Cameron, G. (Agriculture)
Charles, A. (SMU)

Darnell, S. (Univ of Toronto)
Fidell, G. (SMU)
Franceshet, S. (Calgary)
Harker, J. (CBU)
Kamra, O. P. (Dalhousie)
Khasnabish, A. (MSVU)
Martin, M. (Dalhousie-Multifaith Centre)
McAllister, R. I. (Economics)
O'Malley, A. (SMU)
Shaw, T. M.
Tatsoglou, E. (SMU)
Tharamangalam, J. (MSVU)
Tomlinson, B. (Aid Watch)
Veltmeyer, H. (SMU)
Wilson, J. (Dalhousie)

BA (120 credit hour) Double Major in IDS and a second subject

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- Three credit hours of INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- 12 credit hours of INTD and/or IDS approved courses at the 2000 level or above. At least six credit hours of IDS approved courses must be taken from a single department other than IDS (see list of IDS approved courses).
- 12 credit hours of INTD and/or IDS approved courses at the 3000 level or above.

In total, a minimum of 30 and a maximum of 48 credit hours in IDS are required. A minimum of 60 and a maximum of 84 credit hours at the 2000 level or above are required in the two major fields.

Double Major - IDS as the second subject

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- Three credit hours INTD with theory content at the 3000 or 4000 level: that is, any INTD course at the 3000 or 4000 level, excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- Six credit hours of INTD and/or IDS approved courses at the 2000 level or above (See list of IDS approved courses).
- Six credit hours of INTD and/or IDS approved courses at the 3000 level or above.

In total, a minimum of 30 and a maximum of 42 credit hours in IDS are required; more credits are required in the first subject.

BA (120 credit hour) Major in International Development Studies

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- Three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- 12 credit hours of IDS and/or IDS-approved courses at the 2000-level or above. At least six credit hours of IDS-approved courses must be taken from a single department other than IDS. (See list of IDS approved courses).
- 12 credit hours of IDS and/or IDS-approved courses at the 3000 level or above.

In total, a minimum of 36 and a maximum of 54 credit hours in IDS are required.

BA (120 credit hour) Combined Honours in IDS and a second subject Thesis Stream

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- INTD 4012 (Honours Thesis Course).
- At least three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- Three credit hours of 4000-level INTD seminar course.
- 18 credit hours of INTD and/or IDS courses at the 2000 level or above. Students must take at least six credit hours of IDS approved courses from at least two different departments.
- Six credit hours of INTD and/or IDS approved courses at the 3000 level or above.

In total, a minimum of 42 and a maximum of 48 credit hours in IDS are required.

Coursework Stream

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- Three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD courses at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- Six credit hours of 4000-level INTD seminar courses.
- 18 credit hours of INTD and/or IDS courses at the 2000 level or above. Students must take at least six credit hours of IDS approved courses from at least two different departments.
- Six credit hours of INTD and/or IDS approved courses at the 3000 level or above.

In total, a minimum of 42 and a maximum of 48 credit hours in IDS are required.

Combined Honours with IDS as the second subject

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03
- Three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- 12 credit hours of INTD and/or IDS approved courses at the 2000 level or above. At least six credit hours of IDS approved courses must be taken from a single department other than IDS (see list of IDS approved courses).
- 12 credit hours of INTD and/or IDS approved courses at the 3000 level or above.

In total, 30 credit hours in IDS are required.

BA with Concentrated Honours in International Development Studies Thesis Stream

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03

- INTD 3002.03 or INTD 3003.03.
- INTD 4012 (IDS Honours Thesis course).
- Three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- Three credit hours of 4000-level INTD seminar courses.
- 18 credit hours of INTD and/or IDS-approved courses at the 2000 level or above. Students must take at least six credit hours of IDS approved courses from at least two different departments.
- 18 credit hours of INTD and/or IDS approved courses at the 3000 level or above. (See list of IDS-approved courses).

In total, a minimum of 54 and a maximum of 66 IDS credit hours are required.

Coursework Stream

Advanced Courses Required:

- INTD 2001.03/INTD 2002.03
- INTD 3002.03 or INTD 3003.03.
- Three credit hours INTD with theory content at the 3000 or 4000 level; that is, any INTD course at the 3000 or 4000 level excluding INTD 3002, INTD 3003, INTD 3107, INTD 3109 and INTD 4012.
- Six credit hours 4000 level INTD seminar courses.
- 18 credit hours of INTD and/or IDS-approved courses at the 2000 level or above. Students must take at least six credit hours of IDS approved courses from at least two different departments.
- 18 credit hours of INTD and/or IDS approved courses at the 3000 level or above. (See list of IDS-approved courses in Section IV).

In total, a minimum of 54 and a maximum of 66 IDS credit hours are required.

BA (90 credit hour) Minor in IDS

See the Minor in International Development Studies section of this Calendar

Conversions

Students who have completed a 90 credit hour degree can upgrade to a 120 credit hour major or double major degree. Students who have completed a Major in IDS can upgrade to an honours degree (pending acceptance to the IDS honours program). The requirements for conversions are as follows:

BA Major Conversion in International Development Studies

Dalhousie graduates who wish to upgrade their qualifications from a 90 credit hour minor to a 120 credit hour Major degree may enter this program. Students must complete the full set of 120 credit hour Major requirements, usually by taking 30 additional credit hours.

BA Honours Conversion in International Development Studies

Dalhousie graduates who wish to upgrade their qualifications from a 90 credit hour minor or a 120 credit hour major or double major degree to a 120 credit hour Honours degree may enter this program if they meet the conditions for admission to the Honours program. Students must complete the full set of Honours requirements. Students interested in this program should consult the Undergraduate Advisor.

IDS Approved Courses from Other Departments

NOTE: Some courses are not offered every year so please consult the current timetable, in addition to the calendar, when registering.

Arabic

ARBC 2100.03: A Cultural Introduction to the Arab World.

Arts & Social Sciences

ASSC 3150.03: Intercultural Communication

Contemporary Studies

- CTMP 2115.03: Conception of Race in Philosophy, Literature and Art
- CTMP 2322.03: The Experience of Others in Philosophy, History and Literature
- CTMP 3103.03: Critiques of Modernity
- CTMP 3130.03: The Thought of Michel Foucault
- CTMP 3311.03: Culture, Politics and the Post Colonial Condition
- CTMP 4125.03: Hannah Arendt: Terror, Politics, Thought.

Biology

The importance of an understanding of biology for informed contribution to sustainable development cannot be over-emphasized.

- BIOL 3065.03: Conservation Biology
- BIOL 3226.03: Economic Botany: Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 4065.03: Sustainability and Global Change
- BIOL 4160.03: Political Ecology

Economics

A grasp of economic frameworks whereby societies allocate resources (human resources and capital) is a prerequisite for understanding development plans and national prospects, development projects and foreign aid, and the constraints and possibilities for sustainable development.

- ECON 2213.03: Emerging Giants: The Economic rise of China and India
- ECON 2216.03: Economics of Global Warming
- ECON 2334.03: Globalization and Economic Development: Current Debates
- ECON 3310.03: Economic Growth in Historical Perspective
- ECON 3317.03: Poverty and Inequality
- ECON 3330.03: International Trade
- ECON 3331.03: International Finance
- ECON 3332.03: Resource Economics
- ECON 3333.03: Theories of Economic Development
- ECON 3335.03: Environmental Economics

English, French and Spanish

Language skills are obviously important for effective communication for those wishing to pursue international development studies; but through the study of languages and literature, important insights about culture and development experience are also to be gleaned. The IDS program encourages students minimally to study one additional (relevant) language to English.

English

- ENGL 2005.03: World Literature
- ENGL 2090.03: Literature, Migration, and Citizenship
- ENGL 3086.03: Post-Colonial Literatures
- ENGL 3087.03/CHIN 3080.03: Literature of the Asian Diaspora: Language and Identity in Asian North American Literature.

French

- FREN 3125.03: Le Monde francophone/The French-Speaking World
- FREN 3150.03: Aspects de la francophonie/Aspects of the Francophone World
- FREN 3175.03: Topical Issues in Francophone/Thèmes de la francophonie

Please note: Some courses in the French Department's Dijon Study Abroad Program are likely to be eligible for IDS credit. Consult the undergraduate advisor to determine eligibility.

Spanish

- SPAN 2069.03: Central America to 1979 From Conquest to Revolution
- SPAN 2070.03: Mexico and Central America since 1979: The Search for Stability
- SPAN 2109.03: Cuba from Colonial Times to 1961
- SPAN 2110.03: Cuban Revolution 1961 - the Present
- SPAN 2130.03: Latin American Dictators: From Fact to Fiction
- SPAN 2200.03: Latin American Culture: From the Maya to the 21st Century

Students are able to receive either INTD or SPAN credits.

- SPAN 3301.03/SPAN 3302.03/SPAN 3303.03/SPAN 3304.03/SPAN 3306.06: The Cuba Program at FLACSO (Facultad Latino Americana de Ciencias Sociales Programma Cuba), The University of Havana

Students are able to receive either INTD or SPAN credits.

- SPAN 3310.06: Cuban Culture & Society
- SPAN 3408.03: The Cuban Development Model

Environmental Studies

Most environmental scientists have primary expertise in a particular discipline and work cooperatively with specialists from other disciplines to solve environmental problems. Dalhousie now offers a minor in both environmental studies and science. However, current programs that also provide courses emphasizing environmental subjects include Earth Sciences (geology and hydrogeology), marine biology and POLI 3585.03.

- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II: The Campus as a Living Laboratory.
- ENVS 4001.03: Environmental Impact Assessment
- GEOG 2070.03: Area Studies on Mexico and Central America
- GEOG 2201.03: Intro to Development Studies
- GEOG 2202.03: Intro to Development Studies II
- GEOG 2206.03: Africa: An Introduction
- GEOG 3165.03: Peoples and Cultures of the World: Selected Area Studies
- PHIL 2480.03: Environmental Ethics
- PHIL 2485.03: Technology and the Environment
- POLI 3537X/Y.06: Management and Conservation of Marine Resources
- POLI 3585.03: Politics of the Environment
- POLI 3589.03: Politics of the Sea

Gender and Women's Studies

It is important to recognize the implications of gender issues and to be sensitive to how these are viewed in different cultural circumstances. Hence, students are strongly encouraged to participate in at least one of the following GWST courses.

- GWST 2800X/Y.06: Comparative Perspectives on Gender
- GWST 3006.03: Comparative Perspectives on Gender and Work
- GWST 3168.03: Issues in Latin American Society
- GWST 3426.03: Sex and the State
- GWST 4116.03: Contemporary Issues in Gender and Development

History

Just as people need to know who they are and how they arrived there, groups, races, courses, states and nations need a sense of their own past as part of their culture and to guide their future development choices.

- HIST 2006.03: The Atlantic World, 1450-1650: European Colonization of the Americas
- HIST 2007.03: The Atlantic World, 1650-1800: European Empires in the Americas
- HIST 2021.03: Soviet Russia

- HIST 2388.03: Latin American Dictators in the Novel
- HIST 2381.03: Latin America
- HIST 2382.03: Mexico and Central America to 1979
- HIST 2383.03: Mexico and Central America to 1979: The Search for Stability
- HIST 2384.03: Cuba from Colonial Times to 1961
- HIST 2385.03: Cuban Revolution, 1961 - Present
- HIST 2387.03: Latin America since Independence
- HIST 2392.03: Introduction to Caribbean History (1450 to present)
- HIST 2425.03: Africa Before 1900
- HIST 2426.03: Africa Since 1900
- HIST 2502.03: The Ottoman Empire and Its Legacy in the Middle East, 1299-1923.
- HIST 2503.03: Medieval Islamic Civilization
- HIST 2504.03: Modern History of the Modern Middle East
- HIST 2505.03: Turbans and Berets: A Modern History of Iraq
- HIST 2510.03: Modern History of South Asia
- HIST 2711.03: Struggles that Shaped the Modern World: 1600 - 1900
- HIST 2712.03: Freedom Fighters or Terrorists? Revolution, Nationalism and Anti-Imperialism in the 20th Century
- HIST 3090.03: Russian Society
- HIST 3092.03: Russian Topics
- HIST 3390.03: Latin America: Revolution and Repression.
- HIST 3393.03: Indigenous Movements in Latin America
- HIST 3430.03: The Making of Colonial Africa, c. 1850-1930
- HIST 3431.03: Struggles in the City: Labour, Migration and Urban Live in Colonial Africa.
- HIST 3435.03: The Rise and Fall of African Slavery
- HIST 3451.03: Southern Africa to 1860
- HIST 3452.03: Southern Africa since 1860
- HIST 3470.03: Wars and Revolutions in Nineteenth Century Africa
- HIST 3471.03: Wars and Revolution in Twentieth Century Africa
- HIST 3500.03: Topics in Global History
- HIST 3509.03: Arab Caliphs, Turkish Commanders, and Persian Viziers: Islamic History, 750-1200
- HIST 3510.03: Sultans and Shahs: Politics and Religion in the Islamic Gunpowder Age (1500-1800)
- HIST 3511.03: Ancient and Medieval History of the Persianate World
- HIST 3512.03: Modern History of Iran
- HIST 3513.03: From Cairo to Cape Town: Religious Revival, Identity and Colonialism in Muslim Africa.
- HIST 3515.03: Food for Thought: History and the Culinary Cultures of the Islamic World
- HIST 4300.03: Topics in Latin American History
- HIST 4400.03: Topics in African History
- HIST 4401.03: State Violence Communal Conflict and Criminology in Modern South Africa
- HIST 4404.03: Crime and Punishment in Modern Africa
- HIST 4475.03: African Intellectuals and the Modern Experience
- HIST 4510.03: Topics in Islamic and Middle East History.
- HIST 4545.03: Scripture and Strategy: History of Islamic Political Thought
- HIST 4550.03: Orientalism and Occidentalism
- HIST 4555.03: A dream Palace or a Bitter Reality Arab Intellectuals and their ideologies in the Modern Period

Philosophy

Issues in International Development are fundamentally concerned with principles of ethics and justice. Philosophy provides students with the necessary foundation to think about these principles and apply them to international issues in an informed way.

- PHIL 2081.03: Ethics in the World of Business
- PHIL 2160.03: Philosophical Issues of Feminism
- PHIL 2165.03: Philosophy and the Black Experience
- PHIL 2450.03: Democracy, Difference and Citizenship: A Survey of Political Philosophy
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2480.03: Environmental Ethics
- PHIL 2485.03: Technology and the Environment
- PHIL 3470.03: Human Rights: Philosophical Issues
- PHIL 3476.03: Liberalism and Global Justice
- PHIL 4700.03: Philosophy of Race

Political Science

Political Science is critical for individuals who want to know more about the values, laws, institutions and policy mechanisms that govern their lives in society, and, as well, the differences between their systems of government and those in other countries.

- POLI 2300X/Y.06: Comparative Politics
- POLI 2520.03: World Politics
- POLI 2530.03: Foreign Policy in Theory and Practice
- POLI 3311.03: Sport and Politics
- POLI 3315.03: African Politics
- POLI 3360.03: Politics in Latin America
- POLI 3385.03: Politics of the Environment
- POLI 3520.03: Building Democracy and Peace
- POLI 3525.03: Comparative Foreign Policy Simulation
- POLI 3531.03: The UN in World Politics
- POLI 3535.03: The New International Division of Labour
- POLI 3540.03: Foreign Policy in the Third World
- POLI 3544.03: Political Economy of Southern Africa
- POLI 3560.03: Issues in Global Security and Development
- POLI 3567.03: International Organizations
- POLI 3581.03: Diplomacy and Negotiation
- POLI 3596.03: Explaining Global Conflict and Violence
- POLI 4302.03: Comparative Development Administration
- POLI 4303.03: Human Rights Political Issues
- POLI 4355.03: Comparative Perspectives on the Development State
- POLI 4569.03: Canadian Foreign Policy
- POLI 4636.03: Nationalism and Statecraft

Religious Studies

Understanding religion and its influences on human behaviour involves grasping both the meaning of faith in the lives of participants and the critical analysis of outside observers. It has important implications for international cultures and development questions.

- RELS 2003.03: Islam
- RELS 2011.03: Hinduism
- RELS 2013.03: Buddhism
- RELS 3009.03: Christianity in the Land of Islam
- RELS 3101.03: The Self and the World in Indian Story
- RELS 3112.03: Buddhism in India and Tibet

Russian

Russia and the Soviet Union have been important players on the world stage for many centuries. The history and current situation of this region has had profound importance for the development of both Europe and Asia, as well as the developing regions. The study of this region is increasingly important to development theory, practice and planning.

- RUSN 2023.03: Soviet Russia
- RUSN 2081.03: Contemporary Russian Culture - The Seven Deadly Sins

Sociology and Social Anthropology

Sociology provides a context within which students learn to think critically about their social environment. Social Anthropology aims at generalizations by comparing structures and processes in major institutions within societies (kinship, political, economic and religious) as well as between societies.

- SOSA 2001X/Y.06: Ethnography in a Global Context
- SOSA 2041.03: Describing Social Inequality
- SOSA 2042.03: Explaining Social Inequality
- SOSA 2101.03: Environment and Culture
- SOSA 2102.03: Political Ecology
- SOSA 2190X/Y.06: Comparative Perspectives on Gender
- SOSA 2291X/Y.06: Goblins, Ghosts, Gods, Gurus
- SOSA 2400X/Y.06: Health and Illness Across Cultures
- SOSA 2402.03: Food Through Time and Space
- SOSA 2403.03: Food Activism
- SOSA 3002.03: Native Peoples of Canada
- SOSA 3005.03: Knowledge, Work and Culture in the Contemporary World
- SOSA 3006.03: Comparative Perspectives on Gender and Work
- SOSA 3014.03: Rethinking Culture and Class
- SOSA 3031.03: Social Problems and Social Policy

- SOSA 3060.03: Social Change and Development
- SOSA 3143.03: Health, Illness and the World System
- SOSA 3149.03: Childhood in Cross-Cultural Perspective
- SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- SOSA 3168.03: Issues in Latin American Society
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3206.03: Ethnicity, Nationalism, and Race
- SOSA 3211.03: Continuity and Change in Rural Societies
- SOSA 3214.03: Living in a Globalized World
- SOSA 3215.03: Migration and Identity
- SOSA 3225.03: Culture, Rights & Power
- SOSA 3228.03: Belief Systems: Symbols, Myth and Meaning
- SOSA 3283.03: Globalized Security and Justice: The Challenges of Global Crime and Terrorism
- SOSA 3310.03: Indian Society: Change and Continuity
- SOSA 3403.03: Qualitative Field Methods
- SOSA 4001.03: Quantitative Analysis for the Social Sciences I
- SOSA 4002.03: Quantitative Analysis for the Social Sciences II
- SOSA 4003.03: Contemporary Perspectives in Ethnography
- SOSA 4004.03: Issues in Economic Work and Development
- SOSA 4005.03: Issues in Social Injustice and Social Inequality

Theatre

THEA 4932.03: Cross-Cultural Theatres

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

A. Core Courses

INTD 2001.03: Introduction to Development I
 INTD 2002.03: Introduction to Development II
 INTD 3002.03: Development Practice
 INTD 3003.03: Development and Activism: Methods of Organization, Manifestation and Dissent

B. Additional IDS Courses

INTD 1102.03: Halifax and the World, Part I
 INTD 1103.03: Halifax and the World, Part II
 INTD 2045.03: Indian Society: Change and Continuity
 INTD 2106.03: Africa: An Introduction
 INTD 2201X/Y.06/INTD 3201X/Y.06: International
 INTD 3000.03: Seminar in Development Studies
 INTD 3001.03: Contemporary Debates in Development
 INTD 3010.03: Seminar in Development Studies
 INTD 3012.03: Sustainability, Development, Economy

INTD 3101.03/INTD 3102.03/INTD 3202X/Y.06: Special Topics in International Development Studies
 INTD 3104.03: Seminar in Development Studies
 INTD 3106.03: Seminar in Development Studies
 INTD 3107X/Y.06: Experiential Learning: Canada
 INTD 3109.03: Experiential Learning: Abroad
 INTD 3110.03: Migration and Development
 INTD 3111.03: Popular Culture and Development
 INTD 3114.03: Environment and Development
 INTD 3115.03: Global Health: Challenges of Global Health Equity in the 21st Century
 INTD 3116.03: Contemporary Issues in Gender and Development
 INTD 3125.03: The French-Speaking World
 INTD 3150.03: Aspects de la francophonie/Aspects of the Francophone World
 INTD 3401.03: Seminar in Development Studies
 INTD 3406.03: Seminar in Development Studies
 INTD 3408.03: The Cuban Development Model

C. The Cuba Semester Program - Offered in the Winter Semester only in Cuba

Students are able to receive either INTD or SPAN credits.

INTD 3301.03: Spanish Language and Grammar: The Cuban Dialect (cross-listing any advanced Spanish language course. Please contact the Department of Spanish & Latin American Studies for more information)
 INTD 3302.03: Social Development in Cuba
 INTD 3303.03: The Political Economy of Cuba
 INTD 3304.03: Sustainable Development in Cuba
 INTD 3306.06: Field Research Practicum
 INTD 3310.06: Cuban Culture and Society
 INTD 4001.03/INTD 4002.03/INTD 4003.06: Special Topics in International Development Studies
 INTD 4004.03: Topics in Cuban Development
 INTD 4006.03: Global Poverty and Human Rights: From Development to Global Citizenship
 INTD 4011.03: Advanced Seminar in Development Theory
 INTD 4013.03: Environmental Conflict and Security
 INTD 4022.03: Advanced Seminar in Development Theory
 INTD 4100.06: Special Topics in IDS
 INTD 4211.03: Gender and Development: Theory, Concepts and Methods

Course Descriptions

INTD 1102 Halifax and the World: Part I

CREDIT HOURS: 3

This course offers an introduction to both International Development Studies and Canadian Studies by exploring the connections between important global issues and your daily life as a student in Halifax. As you walk across the Dalhousie campus and go about daily life in Halifax, your actions connect you to people around the globe and to the history of the city and world as well as to the many works of literature, art and music that depict these connections. Here are just a few examples of connections that we will explore in Halifax and the World: Part I (INTD / CANA 1102.03 – Fall semester): ▪ Walking across the Dalhousie campus you are traversing what remains unceded Mi'kmaq territory raising hard questions about relations between Settler and First Nations Peoples. ▪ While walking downtown on a Friday night you might tread in the footsteps of the central characters in Hugh MacLennan's novel *Barometer Rising* and other major works of Canadian fiction. ▪ As you walk through the city you'll see monuments and statues that commemorate the city's early colonial leaders – which raise questions about how we chose to remember history of the city and its connections to the world. The course will critically examine the connections between daily life in Halifax and broader issues of colonialism, race and class relations, historical memory, ethics and justice through a combination of lectures, guest speakers, discussion groups, field trips, experiential learning in the city of Halifax. Assignments include written reflections on specific sites in Halifax which students are expected to visit and explore, a public engagement project, and a series of quizzes (there is no final exam).

CROSS-LISTING: CANA 1102.03

EXCLUSIONS: INTD 1100, INTD 1101

INTD 1103 Halifax and the World: Part II

CREDIT HOURS: 3

This course builds on INTD/CANA 1102.03 (Halifax and the World: Part I) with a continued focus on the connections between important global issues and your daily life as a student in Halifax. In the winter semester, the course will focus on connections between life in Halifax and global development issues in other parts of the world. In particular, the course will highlight the 'commodity chains' that connect our daily consumption decisions to other people around the world who are involved in the life cycle of those commodities – from their production through to their disposal. The course will also specifically address the ethical questions and challenges that emerge from these connections and the practical ways in which we might respond to those questions. As in the first semester, the course will a combination of lectures, guest speakers, discussion groups, field trips, and experiential learning in the city of Halifax. The assignments will include written reflections on specific sites in Halifax which students are expected to visit and explore, a public engagement project, and a series of quizzes (there is no final exam).

PREREQUISITE: INTD 1102 or instructor's permission

CROSS-LISTING: CANA 1103.03

EXCLUSIONS: INTD 1100, INTD 1101

INTD 2001 Introduction to Development I

CREDIT HOURS: 3

Poverty, inequality and injustice are widespread throughout the contemporary developing world. This course will examine how this situation came to be. It begins by analyzing the different meanings of the term “development” and then examines the major approaches that have shaped practical development initiatives on the ground in the Global South over the past 60 years. The course also examines the legacies of history for contemporary development efforts in the Global South through specific case studies.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five full credits at the 1000 level or instructor's permission

CROSS-LISTING: GEOG 2201.03

INTD 2002 Introduction to Development II

CREDIT HOURS: 3

This course builds upon the core concepts and approaches studied in INTD 2001 (i.e. different theoretical approaches to development and the historical creation of underdevelopment). The course examines key contemporary issues in the field of development and analyses the connections between them: debt, global trade rules, foreign aid, hunger and malnutrition, rural and urban livelihoods, population growth. The course also examines the principle actors involved in development and the strategies they have used to promote and resist development, including: governments, non-governmental organizations (NGOs), the World Bank and IMF, and popular social movements in the Global South and North.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five credits at the 1000 level or instructor's permission

CROSS-LISTING: GEOG 2202.03

INTD 2045 Indian Society: Change and Continuity

CREDIT HOURS: 3

The objective of this half-credit course is to introduce students to the society and culture of India from an interdisciplinary perspective. India presents a society of enormous complexity and an unbroken living civilization of great antiquity. The focus of the course will be on selected, significant aspects of Indian society with particular emphasis on issues of current relevance. Topics discussed include: a historical background, social structure, political and social constraints to economic development, health issues, major religions and philosophy, development and foreign policy since independence, science and technology, disaster relief and development, and literature. This course counts as a half-credit in Sociology and Social Anthropology towards the IDS established discipline requirement.

FORMAT: Lecture

CROSS-LISTING: SOSA 2045.03

EXCLUSIONS: INTD 3045.03

INTD 2106 Africa: An Introduction

CREDIT HOURS: 3

This course will focus on contemporary Africa. Stereotypical portrayals of Africa will be examined and critiqued with the goal of emphasizing the immensity, diversity and complexity of the continent in order to better understand the opportunities and challenges of African development in the twenty-first century.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GEOG 2206.03

INTD 2201X/Y International Development Studies through Canada World Youth

CREDIT HOURS: 6

This course is intended for Canada World Youth participants who wish to use the Canada World Youth experience as a basis for further study- leading to an academic credit. Canada World Youth registrants will receive detailed written course guidelines and a reading package. CWY participants are required to keep a journal of their observations and to write a research report drawing upon their experiences on the CWY project both in Canada and overseas. Upon return to Canada, they should communicate with the International Development Studies Office at Dalhousie and should extra guidelines be sought, they inform the Course Instructor at that point. Normally, within 60 days of their return, they should submit their reports (in accordance with detailed guidelines provided by the Instructor) for evaluation. All CWY course participants are encouraged to present talks to local high schools, youth groups, and appropriate community-university organizations. The degree of analysis will be more demanding the higher the level of course taken. In each case, papers may be written in English or French. RECOMMENDED: INTD 2001/INTD 2002.

NOTE: Course Details listed here also applies to INTD 3201.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

RESTRICTIONS: Can only be taken once in a student's programme.

INTD 3000X/Y Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3001 Contemporary Debates in Development Theory

CREDIT HOURS: 3

This seminar course examines key contemporary theoretical debates in International Development Studies and their relevance to the real world of development practice.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3002 Development Practice

CREDIT HOURS: 3

This course is designed for third year undergraduate students who are interested in a career in international development. The course will introduce students to the internal dynamics of development organizations (both governmental and non-governmental), development planning, methodologies of development practice in the field, ethical issues related to development work, fundraising, project proposal writing and project evaluation. The major assignment will involve the preparation of a development project proposal. Because this is a course in development practice, it will involve both seminar discussions and practical ‘hands-on’ activities. Different sections of the course may include different thematic emphasis – e.g. rural development, gender and development and community development.

FORMAT: Lecture| Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3003 Development and Activism: Methods of Organization, Manifestation and Dissent

CREDIT HOURS: 3

There are three parts to this course. In Manifestation we explore theories of activism to understand how motivated individuals managed to change their societies. In Organization we wrestle with the legalities of forming a civil-society organization. In Dissent we take our skills to the streets by organizing lawful protests.

FORMAT: Lecture| Tutorial

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3010 Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3011 Seminar in Development Studies

CREDIT HOURS: 3

INTD 3012 Sustainability, Development, Economy

CREDIT HOURS: 3

This course offers an introduction to principles of sustainability and equitable distribution of benefits oriented towards issues of economy. The course adopts an interdisciplinary framework of inquiry to explore challenges of appropriate scale (relative to biocapacity), efficient allocation, and inter and intra-generational equity. In addition, the course will consider how these issues apply to managing real world issues in environmental management, and will explore tools to quantify and interpret scale, efficiency, and distributive justice. This course is designed as a one-term introduction to the intersection of sustainability, economic issues and social justice for undergraduate students who have little or no prior exposure to economics, but who have completed one or more courses in international development, ESS, environmental science, or related programs.

FORMAT: Online Delivery

PREREQUISITE: INTD 2001/2002 or SUST 2000 or permission of instructor

INTD 3101 Special Topics in International Development Studies

CREDIT HOURS: 3

A course on a particular aspect of international development taught by special arrangement between individual IDS major or honours students and individual instructors associated with the program. Available in summers as well as regular sessions.

NOTE: Course Details listed here also apply to INTD 3102/INTD 3202.

NOTES: Students taking INTD 3202X/Y.06 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Tutorial

PREREQUISITE: INTD 2001.03 and 2002.03 or instructor's permission

INTD 3102 Special Topics in IDS

CREDIT HOURS: 3

See INTD 3101.

INTD 3104 Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3106 Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3107X/Y Experiential Learning: Canada

CREDIT HOURS: 6

Experiential learning is an opportunity for students to reflect on the global/local and theory/practice dynamics of the world around them. Other programs and departments use terms such as internship, volunteer or co-op placements. IDS has adopted the term experiential learning because it reflects the interplay between academic and practical skills development that this program offers. Experiential learning courses are available for both local/Canadian and international placements. The Canadian component of experiential learning focuses on the themes of community development and public engagement. The international component addresses questions of global citizenship. The Canadian component of experiential learning combines classroom learning with volunteer work experience in a community organization in Halifax or other parts of Canada. Students are required to volunteer for a minimum of 60 hours in each term, or approximately 3 hours/week. In addition to this work, students are required to complete a set of readings (to be developed in collaboration with the course instructor) and three academic assignments (a mid-term report, a reflective paper and an academic paper).

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar| Discussion

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

CROSS-LISTING: CANA 3107.06

INTD 3109X/Y Experiential Learning: Abroad

CREDIT HOURS: 3

The experiential learning abroad course is open to International Development Studies students who wish to obtain academic credit for an overseas placement, volunteer experience or internship. Students who have already secured a place in an overseas experiential learning program can register for this half credit. Special permission to register for this course is required and an application for this course must be completed prior to registration. Students are required to complete course readings and to write several reports reflecting on the relevant literature and the practical work experience. One half credit is completed over the course of a full academic year.

FORMAT: Seminar

PREREQUISITE: This course is open to non-IDS students with the permission of the instructor.

INTD 3110 Migration and Development

CREDIT HOURS: 3

The purpose of this course is to explore and better understand the connections between migration and development in contemporary societies. Classes will introduce or further explore one main theme or issue, such as development-induced displacement, labour migration, and HIV/AIDS and migration. Each class will centre on one or more discussion questions, exchange insights from relevant experiences of class participants or focus on a case study

FORMAT: Lecture| Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission.

INTD 3111 Popular Culture and Development

CREDIT HOURS: 3

Development does not occur in a vacuum; it is informed by a particular cultural understanding and carried out by a specific mode of politics. Similarly, culture too, unlike the common belief, is not an autonomous realm, but consistently shapes and is shaped by other societal dimensions. This course will seek to understand the connections between culture and development by specifically exploring the dynamics of popular culture and its linkages with capitalist forms of development mainly in the South.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3114 Environment and Development

CREDIT HOURS: 3

This seminar investigates the intersections between environmental science and development studies. Our primary focus will be to understand how the non-human environment impacts and constrains development interventions, both in the past and the present. The course is organized into three distinct sections. The first focuses on informal lectures mixed in with discussion and interactive forums, including debates and small group exercises. The second component of the course revolves around student presentations, while the final component consists of a simulated negotiation.

FORMAT: Lecture| Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3115 Global Health: Challenges of Global Health Equity in the 21st Century

CREDIT HOURS: 3

By examining global inequities that lead to health injustices, this course explores why healthcare is abundant for some and nonexistent for others. It identifies why some are born to live well, and other are doomed to die quick. It asks, "what are we going to do about it?"

FORMAT: Lecture

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3116 Contemporary Issues in Gender and Development

CREDIT HOURS: 3

The course critically examines how development processes affect women and men and gender relations. Many development projects and policies have had a negative impact on women. The course provides a theoretical and conceptual grounding in gender/women and/in development, explores the gendered impact of policies and processes and examines issues such as governance, HIV/AIDS, and conflict.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

CROSS-LISTING: GWST 4116.03

EXCLUSIONS: GWST 4211.03

INTD 3125 The French-Speaking World

CREDIT HOURS: 3

Introduction to the French-speaking world from a political, cultural, social and economic perspective. Study of the organization known as la Francophonie, with an emphasis on its evolution and mandate, as well as on the bilateral and multilateral cooperation between its member countries. The course is designed for students who are not specializing in French. The course format will consist of lectures and in-class discussion of print and audio-visual materials. Student assessment will be based on oral presentations, assignments, exams and written papers. The language of the course will be English.

CROSS-LISTING: FREN 3125.03

INTD 3150 Aspects de la francophonie/Aspects of the Francophone World

CREDIT HOURS: 3

Taught in French. Introduction to the study of the francophone world: political, economic, linguistic, literary and cultural aspects. From year to year the course might emphasize different regions: Western Countries, Sub-Saharan Africa, Pacific Islands, West Indies, Northern Africa.

FORMAT: Lecture

PREREQUISITE: 2000-level course or consent of instructor

CROSS-LISTING: FREN 3150.03

INTD 3201X/Y IDS through Canada World Youth

CREDIT HOURS: 6

See INTD 2201.

INTD 3202X/Y Special Topics In IDS

CREDIT HOURS: 6

See INTD 3101.

INTD 3301 Spanish Language and Grammar: The Cuban Dialect

CREDIT HOURS: 3

NOTE: INTD 3301 - 3306 are offered as part of the Cuba Semester program. Only students enrolled in this program may take these courses. Spanish Language and Grammar: The Cuban Dialect (prerequisite for the remaining courses).

INTD 3302 Social Development in Cuba

CREDIT HOURS: 3

This course examines the situation of women, the family and children in Cuba, and the educational system in theory and in practice.

INTD 3303 The Political Economy of Cuba

CREDIT HOURS: 3

Analysis and debate of the forms of politics practiced in the Cuban revolution, as well as State institutions, during the various stages of the revolutionary process. Study of the evolution of the Cuban economy and all its principle strategies, including the economic crisis and Cuba's reinsertion in the international economic arena.

INTD 3304 Sustainable Development in Cuba

CREDIT HOURS: 3

The course examines Cuba's experience with sustainable development, including recently introduced agricultural cooperatives and communal environmental education.

INTD 3306X/Y Field Research Practicum

CREDIT HOURS: 6

This course involves four weeks of field research under the supervision of a Cuban professor, culminating in the production of a major research paper. Research will be undertaken in one of the following three areas: *the environment and sustainable development; *women, family and childhood in the community; *community work and social participation.

PREREQUISITE: Students must be, at least, functional in Spanish (SPAN 1020.06 and SPAN 2020.06).

CROSS-LISTING: SPAN 3301.03, 3302.03, 3303.03, 3304.03, 3306.06

RESTRICTIONS: Open to students enrolled in 3rd or 4th year of the IDS or Spanish program or comparable programs at other universities

INTD 3310X/Y Cuban Culture and Society

CREDIT HOURS: 6

Through seminars, lectures and other activities, students will be introduced to Cuban society and culture. This course consists of briefing and debriefing sessions in Halifax with two weeks spent in Cuba. In Cuba, there will be daily lectures in English at the University of Havana and field visits to sites in and around Havana with opportunities to meet and interact with the local population. Participants will be required to keep a journal, and prepare and present a research paper on an approved topic related to Cuban development. This course counts as a credit in IDS, or Spanish towards the IDS established discipline requirement.

PREREQUISITE: INTD 2001.03 and 2002.03 or instructor's permission

CROSS-LISTING: SPAN 3310.06

INTD 3401 Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3406 Seminar in Development Studies

CREDIT HOURS: 3

This seminar course consists of an intensive examination of a selected issue within International Development Studies. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 3408 The Cuban Development Model

CREDIT HOURS: 3

This course examines the evolution of the Cuban development model, from the Conquest and colonization by the Spanish to the reforms of the early 21st Century. The objective is to develop an understanding of the various development strategies employed by Cuba, particularly since the revolution of 1959. When asked about the Cuban development model, most people nowadays would say "tourism". Thirty years ago it was sugar--as it had been from the beginning of the 16th Century. In fact Cuba obtains most of its hard currency from medical-related services--mainly from the exportation of medical services, but also from the sale of sophisticated biotechnological products. Cuba's approach has evolved dramatically in the last two decades, and particular attention will be paid to this period.

FORMAT: Lecture| Discussion

PREREQUISITE: INTD 2001.03 and INTD 2002.03

CROSS-LISTING: SPAN 3408.03

ASSESSMENT METHOD: Two papers (20% each) and One final paper (60%)

INTD 4001X/Y Special Topics in International Development Studies

CREDIT HOURS: 3

NOTE: Course Details listed here also apply to INTD 4002.

INTD 4002 Special Topics

CREDIT HOURS: 3

See INTD 4001

INTD 4003X/Y Development in Practice

CREDIT HOURS: 6

This course is intended for fourth year undergraduate students and for graduate students who have some practical development work or volunteer experience (in the North or South) and who are interested in careers in international development. The course critically examines the internal dynamics of development organizations, the possibilities and constraints involved in donor funding, different community development strategies used in the field, project proposal writing and evaluation. Because this is a course in development practice, it will involve both seminar discussions and practical 'hands-on' activities.

FORMAT: Seminar

INTD 4004 Topics in Cuban Development

CREDIT HOURS: 3

This course will undertake a careful, in depth examination of a select theme in Cuban development. The theme will vary from year to year. These may include such topics as: Issues of Gender & Society, Economic Relations & International Policy, Sustainable Development & Social Participation in Rural Communities & Agricultural cooperatives, Family, Poverty, Social Development and Community Programs, Social Class Dynamics and Economic Strategies. The course will be taught in Spanish. Classes will involve the reading, presentation, and discussion of selected readings.

FORMAT: Seminar

PREREQUISITE: Minimum of 2 years of Spanish and/or equivalent and at least one third year IDS course or instructor's permission

CROSS-LISTING: SPAN 4004.03

INTD 4006 Global Poverty and Human Rights: From Development to Global Citizenship

CREDIT HOURS: 3

This course explores contemporary debates from an interdisciplinary cadre of scholars in order to understand why our political and financial systems acquiesce to world poverty. The course will run as a seminar course that will require students to contribute as active participants by generating critical debate out of the assigned readings.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 4011X/Y Advanced Seminar in Development Theory

CREDIT HOURS: 3

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 4012X/Y Honours Thesis Seminar

CREDIT HOURS: 3

The honours thesis course is open to only those students who have been accepted into the thesis stream of the IDS honours program. This course will support students through the writing of their honours theses, from proposals to completion. Issues of research design, method, and ethics will be addressed, and work in progress will be presented.

FORMAT: Seminar

PREREQUISITE: Admission to IDS Honors Program (Thesis Stream)

INTD 4013 Environmental Conflict and Security

CREDIT HOURS: 3

This seminar seeks to unravel the origins of conflict in the Global South. It emphasizes the ecological dimension of conflict, by investigation the intersections between natural resources and political upheaval. We will trace the origins of a diverse set of conflicts evaluating the role the non-human environment plays in triggering upheaval, as well as possible steps to alleviate ongoing conflicts and prevent new ones.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

INTD 4022 Advanced Seminar in Development Theory

CREDIT HOURS: 3

INTD 4100X/Y Special Topics in IDS

CREDIT HOURS: 6

INTD 4211 Gender and Development: Theory, Concepts and Methods

CREDIT HOURS: 3

The primary aim of this course is to provide a broad foundation to some of the theoretical perspectives which have informed current thinking in gender and development. The course introduces students to key concepts in the analysis.

FORMAT: Seminar

PREREQUISITE: INTD 2001.03 and INTD 2002.03 or instructor's permission

CROSS-LISTING: GWST 4211.03

Italian Studies

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1114

P.O. Box: 15000

Halifax, NS B3H 4R2
Telephone: (902) 494-6816
Fax: (902) 494-1626
Website: dal.ca/italian
Email Address: Italian@dal.ca

Note

Courses in Italian studies are administered by the French Department. The newly approved Minor is open to all students. A Minor in Italian can be combined with any major. New admissions to the Italian second major and honours programs have been suspended. The Minor remains open.

Introduction

Learning to read and speak Italian offers access to an important world culture. While modern Italy began to emerge in its present-day form in the 19th century, the civilizations that preceded it have exerted a strong influence on contemporary culture. Whether in religion, art, music, or science, Italy's past offers many keys to the present. Through its tradition of global exploration and entrepreneurial endeavors, Italy has played a significant role in world history. Today, it is one of the world's wealthiest democratic nations, and a leader in a variety of fields, including film, design, cuisine, and intellectual life. Courses in Italian literature and culture, building on courses in Italian language, will open up to the student this wide and fascinating array of topics.

Degree Programs

Currently suspended. In addition to the departmental requirements listed below, currently declared students must satisfy the requirements outlined in the Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Elson, C., BA (Vind), MA (Dalhousie), Dr de 3e cycle (Sorbonne)

Undergraduate Advisor

Matteucci, P., paolo.matteucci@dal.ca

Assistant Professors

Matteucci, P., Laurea in Lingue (Torino), MA, PhD (USC)

Minor in Italian Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A minimum of 18 to a maximum of 27 credit hours in Italian Studies above the 1000 level, including:

- ITAL 2010.06: Intermediate Italian
- At least one of:
 - ITAL 3010.06: Advanced Italian
 - ITAL 3200.03: Modern Italian Literature

- ITAL 3300.03: 20th Century Italian Literature
- ITAL 3500.03: Topics in Italian Culture
- ITAL 3600.03: Italian National Cinema
- ITAL 3700.03: Topics in Italian Drama and Spectacle
- ITAL 4010.03: Advanced Composition
- ITAL 4020.03: General Translation
- ITAL 4040.03: Dante's Inferno

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ITAL 1010X/Y Italian for Beginners

CREDIT HOURS: 6

Introduction to the basic structures of Italian, combined with practical vocabulary for oral and written communication. This course aims to develop all language skills (listening, speaking, reading, writing), by integrating grammar study, oral and written exercises, and situational contexts. The course also includes an introduction to Italian culture. This course fulfills the BA language requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

ITAL 2010X/Y Intermediate Italian

CREDIT HOURS: 6

This course is open to students with a sound knowledge of the basics of the Italian language (verb tenses, sentence structure, high frequency vocabulary) and is designed to build on that knowledge. The objective of the course is fourfold: 1) to develop awareness of finer points of usage in writing Italian; 2) to provide practice in listening comprehension of material ranging from texts read aloud to spontaneous dialogue; 3) to provide the practice required for the consolidation and development of speaking skills; 4) to provide the practice required for the consolidation and development of reading skills.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: ITAL 1010X/Y.06

ITAL 2061 Civilization of Baroque Italy

CREDIT HOURS: 3

This is a scaled-down version of 2060X/Y.06, and studies Italy at the time of its greatest influence on Western civilization. The course examines Italy's politics, its vibrant urban and rural societies, the place of Catholicism in its cultural and intellectual life, and the innovative early modern economy, all before the great crisis of the 1620s. Open to first-year students.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2061.03

EXCLUSIONS: HIST 2060.06

ITAL 2101X/Y The Origins of Modern Italy

CREDIT HOURS: 6

An introductory survey of Italian history from the late Renaissance to the French Revolution, and Italy's passage from the Western world's pilot economy and culture, to a place on the margins of Europe. Specifically, the course deals with the ecology and the economy, the influence of the Church and the Inquisition, the impact of piracy, banditry, epidemics and the Thirty Years War, the decline of the Spanish Empire, and the evolution from a Baroque sensitivity to the Enlightenment. Open to first-year students. Taught in English.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CROSS-LISTING: HIST 2063X/Y.06

EXCLUSIONS: HIST 2061.03

ITAL 2200 Modern Italian Culture

CREDIT HOURS: 3

This course will focus on the transformation of modern Italian culture from the early twentieth century to the present, with discussion of major historical and social events of the period. Topics may include fascism, futurism, neo-realism, the rise of media culture, Italian cinema, and Italy's political role in the European Union.

FORMAT: Lecture

ITAL 2201 Survey of Italian Literature I: from the Origins to 1600

CREDIT HOURS: 3

This course will provide a survey of Italian Literature from the Middle-Ages to 1600. Literature covered may include works of writers such as Dante Alighieri, Francesco Petrarca, Giovanni Boccaccio, Catherine of Siena, Niccolò Machiavelli, Benvenuto Cellini and Veronica Franco. This course will be given in English; readings for Italian major students will be in Italian.

FORMAT: Lecture

EXCLUSIONS: ITAL 2210

ITAL 2202 Survey of Italian Literature II: 1600 to Present

CREDIT HOURS: 3

This course will provide a survey of Italian Literature from 1600 to present. Literature covered may include works by Ugo Foscolo, Giacomo Leopardi, Sibilla Aleramo, the Futurists, Luigi Pirandello, Italo Svevo, Italo Calvino, Natalia Ginzburg, and Dacia Maraini. This course will be given in English; readings for Italian major students will be in Italian.

FORMAT: Lecture

EXCLUSIONS: ITAL 2210

ITAL 2210 Introduction to Italian Literature

CREDIT HOURS: 3

This course will focus on selected topics in Italian literature and criticism. The course will be given in English.

FORMAT: Lecture

ITAL 2600 Survey of Italian Cinema

CREDIT HOURS: 3

Class to be held in English; with part of the course work in Italian for Italian minors. Survey of the Italian Cinema from the origins onwards: Focus: the 'golden age' of Italian silent movies; visual culture under fascism; Italian neo-realism; the impact of television.

FORMAT: Lecture

CROSS-LISTING: THEA 2314.03

ITAL 3010X/Y Advanced Italian

CREDIT HOURS: 6

This course will focus on spoken and written Italian. Cultural aspects of Italy's past and contemporary history will be the subjects of oral discussion and written composition. Topics such as fine arts, theatre, cinema, music, culinary history, and fashion will be the basis for language practice. The goal of the course is to provide students with conversational and writing skills. Attention will be given to finer points of grammar, particularly Italian morphology and syntax. Students will engage in small group work and individual reporting. The material for the course will be drawn from both specialized workbooks and news/articles from authentic Italian newspapers and websites. Some class time will be devoted to impromptu discussions allowing students to test their thinking and communication skills.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: ITAL 2010X/Y.06 or permission of instructor

ITAL 3060X/Y Civilization of Baroque Italy/The Origins of Modern Italy

CREDIT HOURS: 6

A descriptive introductory survey of Italy from the late Renaissance to the French Revolution. Lectures and tutorials will feature a broad array of original sources in translation and numerous images. Taught in English.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

CROSS-LISTING: HIST 3060X/Y.06

EXCLUSIONS: HIST 2060.06 and ITAL 2101.06

ITAL 3300 Twentieth Century Italian Literature

CREDIT HOURS: 3

This course examines Italian literature in the twentieth century, with references to contemporary Italy's social history and culture. Students will acquire first-hand knowledge of the work of key writers of the Novecento, such as for example Sibilla Aleramo, Luigi Pirandello, Italo Svevo, Natalia Ginzburg, Primo Levi, Elsa Morante, Italo Calvino, Dacia Maraini, or others. The course goals are multi-folded: while strengthening their communicative skills in Italian, students will forge their own tools for critical and argumentative thinking, and use them to engage in a productive reading of the literary texts under consideration. All coursework will be done in Italian.

FORMAT: Lecture

PREREQUISITE: ITAL 2010XY or permission of instructor

ITAL 3500 Topics in Italian Culture

CREDIT HOURS: 3

This course will discuss and critically assess selected topics of Italian culture. The subjects will vary from year to year, and may range from Italy's fine arts tradition to the history of its *commedia dell'arte*, from its political and literary movements to its world-renowned filmmaking practice, from the changing role of women in Italian society to its religious evolution, from its history of migration and exploration to its "Made in Italy" international appeal and marketing. Topics may be added and perspectives changed as the contemporary Italian and European context evolve. The course will be conducted in a seminar setting where students may report on the specific issue and subject researched. Students will take part in reading and critical evaluation of peer work and individually propose an oral presentation on a selected theme that elicits their interest.

FORMAT: Lecture| Discussion

PREREQUISITE: ITAL 2010X/Y.06 or permission of instructor

ITAL 3600 Italian National Cinema

CREDIT HOURS: 3

The focus of the course: the Italian cineastes, who received international recognition since the 1960s. Its aim to investigate Italian film production within the social and cultural climate of contemporary Italy.

FORMAT: Lecture| Seminar

CROSS-LISTING: THEA 3320

ITAL 3700 Topics in Italian Drama and Spectacle

CREDIT HOURS: 3

This course focuses on Italian drama and performance. The topic will vary from year to year and may include topics such as Italian Renaissance theatre, the Commedia dell'arte, Pirandello's productions and contemporary Italian spectacle. The course will examine the selected topic while placing Italian theatre into a broader European context; students will acquire reading strategies for drama and spectacle and learn to consider the works from a theoretical perspective. The class is held in English.

FORMAT: Lecture

CROSS-LISTING: THEA 3914.03

ITAL 4010 Advanced Composition

CREDIT HOURS: 3

This course addresses issues of syntax and grammar, register and style, and advanced vocabulary for both creative and academic writing. It will have both a theoretical and a practical component and will be writing intensive. Students will exercise advanced reading skills, advanced grammar skills (using sophisticated Italian syntax and morphology), and advanced composition skills (from structuring a creative piece of work to essay composition and completion). Compositions will address Italian literary and cinematic works. Students will work both in groups and individually. The course will be given in a workshop format, and student participation is essential to its success. It is recommended that students read Italian as much as possible (texts from mass media, popular fiction as well as academic material). Work in class and at home will include summaries, synopses, bullet-point schemes, writing and re-writing, peer reviewing, and related research.

FORMAT: Lecture| Discussion

PREREQUISITE: ITAL 3010X/Y.06 or permission if instructor

ITAL 4040 Dante's Inferno

CREDIT HOURS: 3

From Dante's spiritual crisis to his descent into the pit of Hell and encounter with Satan. A journey of self-discovery, the Comedy is a summa of the medieval culture. This course offers a general knowledge of its first section, Inferno, and provides an introduction to medieval culture and history. Each class will involve reading from the text, commentary and discussion of the readings assigned. The course is taught in English. Italian minors and majors students will be required to read the texts in Italian.

FORMAT: Lecture

PREREQUISITE: Any 2000-level humanities course or instructor's permission

CROSS-LISTING: CLAS 4460

ITAL 4060 Topics in the Civilization of Baroque Italy

CREDIT HOURS: 3

This course emphasizes the methods and sources historians employ to study Italian history, circa 1570-1740. Topics to be explored include Baroque Italian princely courts, Roman Catholicism, social interaction, social status and display, deviance and punishment, books and learned culture, standards of living, historical ecology and geography. There will be substantial use of translated and transcribed archival sources. A reading knowledge of French is recommended.

FORMAT: Tutorial| Seminar

CROSS-LISTING: HIST 4060.03

ITAL 4998 Independent Study

CREDIT HOURS: 3

Individually directed research and writing under the supervision of a member of department.

FORMAT: Seminar

ITAL 4999 Independent Study

CREDIT HOURS: 3

Individually directed research and writing under the supervision of a member of department.

Journalism

Location:

Building/Room: University of King's College

Street Address 1: Contact Person: Director and Associate Professor, Kelly Toughill

Street Address 2: 6350 Coburg Road

P.O. Box:

Halifax, NS B3H 2A1

Telephone: (902) 422-1271 Ext 185

Fax: (902) 423-3357

Website: www.dal.ca/academics/undergraduate_programs/journalism.html

Email Address: admissions@ukings.ca

Minor in Journalism Studies

Faculty of Arts and Social Sciences

Minimum requirement of 24 credit hours in Journalism which must include:

Core Requirements

- JOUR 1001.06: Foundations of Journalism
- JOUR 2000.03: Basic Reporting Techniques

Elective Requirements

Students must complete 15 credit hours in electives from the list below:

- JOUR 2004.03: Introduction to Radio
- JOUR 2400.03: Science and the Media
- JOUR 3003.03: Introduction to Video Reporting
- JOUR 3005.03: Broadcast Reporting
- JOUR 3122.03: Ethics of Journalism
- JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- JOUR 3333.03: News Media & the Courts in Canada
- JOUR 3440.03: Creative Non-fiction
- JOUR 3441.03: Advanced Creative Non-fiction
- JOUR 3540.03: Feature Writing
- JOUR 3542.03: Business Reporting for Journalists
- JOUR 3550.03: Copy Editing
- JOUR 3557.03: Intro to Online Journalism
- JOUR 3560.03: Great Journalists
- JOUR 3660.03: Photojournalism

Faculty of Science

Minimum requirement of 24 credit hours in Journalism which must include:

Core Requirements

- JOUR 1001.06: Foundations of Journalism
- JOUR 2000.03: Basic Reporting Techniques
- JOUR 2400.03: Science and the Media

Elective Requirements

Students must complete 12 credit hours in electives from the list below:

- JOUR 2004.03: Introduction to Radio
- JOUR 3003.03: Introduction to Video Reporting
- JOUR 3005.03: Broadcast Reporting
- JOUR 3122.03: Ethics of Journalism
- JOUR 3304.03: Through Her Eyes: Women and the Documentary Tradition
- JOUR 3333.03: News Media & the Courts in Canada
- JOUR 3440.03: Creative Non-fiction
- JOUR 3441.03: Advanced Creative Non-fiction
- JOUR 3540.03: Feature Writing
- JOUR 3542.03: Business Reporting for Journalists

- JOUR 3550.03: Copy Editing
- JOUR 3557.03: Intro to Online Journalism
- JOUR 3560.03: Great Journalists
- JOUR 3660.03: Photojournalism

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Core Requirements

Students must complete one and a half full credits of core courses:

JOUR 1001X/Y.06 Foundations of Journalism

JOUR 2000.03 Basic Reporting Techniques

Elective Requirements

Students must complete an additional 15 credit hours in electives from the complete list of Journalism 'Course Descriptions' above

Course Descriptions

JOUR 1001X/Y Foundations of Journalism

CREDIT HOURS: 6

This course gives students both a theoretical and practical introduction to journalism. In one part, students will learn how to read, listen and watch the news knowledgeably and critically. They will look at the history of journalism as it has developed in newspapers, radio, television and internet and examine how the structure of the media influence journalistic principles and practices. The other part of this course teaches students how to write imaginative and interesting prose using correct English and effective storytelling methods. Students will be required to write nearly every day and will have their work assessed by professional journalists.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

JOUR 2000 Basic Reporting Techniques

CREDIT HOURS: 3

Successful reporters need critical thinking as much as technical skills. This course builds on JOUR 1001 as it examines how reporters find news, select sources, cut through spin, verify information and avoid errors. Students will be introduced to techniques at the leading edge of the craft.

PREREQUISITE: JOUR 1001.06

JOUR 2004 Introduction to Radio

CREDIT HOURS: 3

This course will introduce students to broadcast news writing and reporting, emphasizing skills particular to radio such as writing for the ear and to deadline, interviewing for tape and on-air performance. Students will visit a radio news operation and examine policy, broadcast standards and ethical issues.

PREREQUISITE: JOUR 1001.06

RESTRICTIONS: This course is not available to students in the BJ(H) program.

JOUR 2400 Science and the Media

CREDIT HOURS: 3

From the first Babylonian astronomical records on cuneiform to the public understanding of science on television, the various media have long been crucial to the

success and spread of science. This course provides a history of science in the media from the ancient and medieval use of geometrical diagrams, astronomical figures and anatomical illustration through early modern printed texts, popular broadsheets and color botanical plates all the way to the ubiquity of science in literature, cinema and on the Internet. This expanding presence of science in the media is examined against the backdrop of three revolutions: literary and artistic (ancient and medieval worlds), mechanical (early modern period) and electronic (contemporary age). Specific themes considered include the increasing accuracy of scientific illustration, the rise of scientific journals, public scientific demonstrations, science in poetry and prose fiction, science and art, radio and television documentaries, the advertising and marketing of science, scientific apocalypses and techno-utopias, bioethics, Soviet era technological iconography, environmentalism and science-religion relations in the journalistic press, science fiction from H.G. Wells' *War of the Worlds* to *Star Wars* and *Jurassic Park*, and science in computing and cyberspace.

FORMAT: Lecture|Seminar

CROSS-LISTING: HIST 2400.03

JOUR 3004 Journalism Research

CREDIT HOURS: 3

This course will focus on the essential skills journalists need to produce fair, balanced and accurate stories. It will include methods of finding facts and sources, digging below the surface and analysing the evidence. There will be special emphasis on interviewing. Students will learn how to find and use information tucked away in court, business and property records as well as in libraries and on the Internet. There will be instruction on using Freedom of Information laws to get access to government files as well as how to read a budget and analyze polls.

PREREQUISITE: JOUR 2001.06 or permission of Instructor

JOUR 3005 Broadcast Reporting

CREDIT HOURS: 3

This course will introduce students to best practices in video and audio in news reporting. It will build on text-based courses to emphasize skills needed in radio, television, and online journalism. These include conversational scriptwriting, writing for sound and pictures, interviewing and on-air performance. Students will research, pitch and produce basic radio and television news stories, in teams and on their own.

PREREQUISITE: JOUR 2000.03 or JOUR 2001.06 or permission from instructor.

JOUR 3122 Ethics of Journalism

CREDIT HOURS: 3

This course will discuss the power - and responsibility - of the mass media in shaping public opinion and public policy. Students will consider the various and conflicting roles of media in contemporary society.

PREREQUISITE: JOUR 1001.06 or permission of the Instructor

JOUR 3304 Through her Eyes: Women and the Documentary Tradition

CREDIT HOURS: 3

This course will explore the rarely examined historical and contemporary involvement of women in the field of documentary filmmaking. Women documentary makers have produced extensive bodies of engaging work that challenge many societal assumptions about gender, class, race, the function of political power, sexuality and peace-war. They have worked at every level within the process: as directors, cinematographers, editors, sound recordists, producers, writers and fund-raisers. A variety of documentaries made by women from diverse backgrounds will be screened and analyzed along with a close reading of selected critical texts. Students will identify the similarities and differences in subjects, themes, style, aesthetics, and approached to creation, production and distribution.

FORMAT: Seminar

CROSS-LISTING: CTMP 3304.03

JOUR 3333 News Media and the Courts in Canada

CREDIT HOURS: 3

This course is an introduction to the justice system and the specific laws that govern how journalists do their jobs. The goal is to give students and working journalists an understanding of court structure, legal principles, and criminal and civil procedure. Bans on publication, contempt of court, libel law, media access to the courts, confidentiality of sources and other media-law issues will be examined. The format combines lectures with forum discussions featuring lawyers, prosecutors, judges and other players in the justice system.

PREREQUISITE: JOUR 1001.06 or CANA 2000.06 or permission of the instructor

CROSS-LISTING: CANA 3333.03

JOUR 3440 Creative Nonfiction

CREDIT HOURS: 3

Narrative nonfiction writing includes literary journalism, memoir and essay. In this introductory course, students will learn about the historic development of this genre as well as read and discuss some of the best examples of historical and contemporary narrative nonfiction. The goal is to make students better informed readers as well as to provide them with the tools to produce this kind of writing themselves.

PREREQUISITE: JOUR 1001.06 or permission of the instructor

JOUR 3441 Advanced Creative Nonfiction

CREDIT HOURS: 3

This is a how-to course that focuses on writing - and rewriting - a major piece of narrative nonfiction.

PREREQUISITE: JOUR 3440.03

RESTRICTIONS: This course is not available to BJ(H) students

JOUR 3540 Feature Writing

CREDIT HOURS: 3

This course will introduce students to the more creative writing aspects of journalism - the writing of stories behind the breaking news of the day, or the small human dramas that make up the world around us. Students will study feature writing styles and techniques, and experiment with several feature formats, from color stories and personality profiles to substantial background articles. Students will produce a major, term-end feature story and several smaller assignments.

PREREQUISITE: JOUR 2000.03 or JOUR 2001.06 or permission of the Instructor.

JOUR 3542 Business Reporting for Journalists

CREDIT HOURS: 3

Budgets, stock markets, statistics, polls, securities, mergers and takeovers. This course will give students a working knowledge of how business functions. It will

provide students with the tools to analyze and present complex economic situations in clear language.

JOUR 3550 Copy Editing

CREDIT HOURS: 3

In this course, students will focus on the skills copy editors need to perform the most basic and essential of their tasks - handling stories. Students will edit, on paper and on screen, real stories selected for their potential as well as their problems. They will work on them for tightness, polish, accuracy and style. The goal is to help students develop the copy editor's "double vision" - the ability to see the story as a whole, and line by line, as a collection of parts, to see both the forest and the trees. This course is not only for students who want to become copy editors, but also for students who want to become better editors of their own writing.

PREREQUISITE: JOUR 2000.03 or JOUR 2001.06

JOUR 3557 Introduction to Online Journalism

CREDIT HOURS: 3

The Internet is still in its infancy as a journalistic medium, which creates opportunities for innovation as well as challenges for finding the best and most appropriate ways to communicate information. Students in this course will not only learn about the recent evolution of the Internet as a journalistic medium but will also explore for themselves ways of using the Internet to tell journalistic stories.

PREREQUISITE: JOUR 1001.06 or permission of the Instructor

JOUR 3560 Great Journalists

CREDIT HOURS: 3

This course provides an introduction to some of the greatest journalists of all time. Students will discover the beautiful work these journalists created, and learn how and why they did it. This course also focuses on improving students' writing. By carefully considering great journalists' work, students learn techniques that make them better writers. Amazing characters students will meet include James Cameron, the only journalist to have a ringside seat at three atomic bomb blasts. Students get to know Ida B. Wells, who founded a newspaper exposing lynchings and racism when most media were ignoring the truth. Students will consider the work of Joan Didion, Martha Gellhorn, Peter Gzowski, Seymour Hersh, and many more. By the end of the course students will have a strong understanding of journalism's honourable legacy. They will know the brilliant qualities of great journalists, how hard they work, and how they changed the world.

JOUR 3660 Photojournalism

CREDIT HOURS: 3

This course will explore visual perception as applied to photojournalism. Students will be taught to "see" photos and explore ideas visually, especially as applied to the essence of news photography. Students will also examine the beginnings of news photography and modern developments in the business. Students must have their own digital cameras to take this course.

JOUR 3661 Sports Journalism

CREDIT HOURS: 3

Students will study and discuss excellence in sports writing; acquire practical sports writing skills suited to websites, newspapers and magazines; practise a range of applications, including tweets, blogs, on-deadline game stories, CP style and long-form journalism; and learn how to integrate digital and print formats with multi-media packaging. Discuss the challenges of covering different beats, using real-life examples.

PREREQUISITE: JOUR 2000, or JOUR 2001, or permission of the instructor.

JOUR 3670 Opinion Writing

CREDIT HOURS: 3

Do you aim to influence people with your perceptions, insights and ideas? If so, you need to know the difference between a rant and proving your point. You need to consider the tone and flow of what you write. Writing Opinion teaches these practices and more.

JOUR 6903 New Venture Creation

CREDIT HOURS: 3

New Venture Creation is about Entrepreneurship - the process of creating new businesses. It is designed to expose students to the issues, problems and challenges of creating new businesses and to provide students with the opportunity, within the framework of a formal course, to explore and develop business ideas they have been considering or wish to investigate.

PREREQUISITE: Enrolment in King's MJ program. Required course.

CROSS-LISTING: BUSI 6002.03

Music - Fountain School of Performing Arts

Location:

Building/Room: Dalhousie Arts Centre

Street Address 1: 6101 University Avenue

Street Address 2: Room 514

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3772

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Website: www.dal.ca/performingarts

Email Address: fspa@dal.ca

Introduction

The Fountain School of Performing Arts provides a wide variety of programs for those whose demonstrated talent and specific pre-university training qualify them for specialization in Music studies. Certain courses and ensembles are available to the non-specialist student who wishes to increase both musical awareness as a listener and involvement as a performer.

The Bachelor of Music Program offers intensive professional music training which prepares students for careers or further study in many areas, including performance, composition, theory, musicology, music criticism or music education. It also offers excellent preparation for professional studies in other areas, such as law or journalism.

The 120 credit hour BA in Music, the Honours BA in Music, and the BA or BSc Combined Honours with Music programs provide a strong foundation for various professions where a working knowledge of music is desirable, such as librarianship, media programming and production, music industry commercial studio and electroacoustic work, arts management, recreational and therapeutic work, to name only a few. You can complete a minor in Music or a minor in Musicology to enhance your degree.

Elective courses for non-majors are available, some of which require no musical background or training.

Elective Courses for Non-Majors

- MUSC 1020.03: Listening to Classical Music
- MUSC 1021.03: Listening Beyond the Classics
- MUSC 1003.03: Preparatory Theory and Aural Skills I
- MUSC 1004.03: Preparatory Theory and Aural Skills II
- MUSC 2007X/Y.06: The Guitar: History and Techniques
- MUSC 2008X/Y.06: Modern Guitar
- MUSC 2016.03: Topics in Music and Cinema
- MUSC 2018.03: Popular Music Until 1960
- MUSC 2019.03: The Rock 'n' Roll Era and Beyond
- MUSC 2020.03: The History of Jazz
- MUSC 2022.03: The Art and Science of Drumming
- MUSC 2600X/Y.06: Recording Studio Techniques
- MUSC 3060.03: Introduction to Music and Sound Technology
- MUSC 3061.03: Electroacoustic Music
- MUSC 3314.03: History of Opera
- MUSC 4353.03: Music since 1945
- MUSC 4354.03: Popular Music Analysis
- MUSC 4355.03: Narrative Strategies in 19th-Century Music (cross-listed with GWST 4355.03)
- MUSC 4356.03: Opera Studies
- MUSC 4358/MUSC 4359: Studies in Medieval Music
- MUSC 4360.06: Advanced Seminar in Baroque Culture
- MUSC 4361.03/MUSC 4365.03: Topics in Musicology I
- MUSC 4362.03: Topics in Canadian Music
- MUSC 4363.03/MUSC 4367.03: Topics in Musicology II
- MUSC 4380.03/MUSC 4381.03: Selected Composer Studies

Other courses in Music may be taken by special permission. Applied study (individual studio instruction) may be taken subject to an audition and available space.

Admission Procedures for all Music Programs

All Music programs require that candidates (including transfer students) apply to both the university and the Fountain School of Performing Arts and audition for Applied Study. See the website at dal.ca/fspa for the full application process. Re-audition and testing may be required if enrolment is deferred, if a program is interrupted for a year or more, or if an applied study course is not successfully completed in one academic year.

Ensemble Participation

All students (preparatory year, majors, non-majors and elective students) enrolled in an applied study course (instrument or voice) must participate in ensembles, normally in a minimum of two per year. Wind, brass, percussion and strings students will participate, as appropriate and as needed, in Wind Ensemble, Chamber Orchestra, Symphony Orchestra, Jazz Ensemble, and chamber ensembles.

Piano, organ and guitar students will normally participate in the Dalhousie University Chorus, and in other ensembles as appropriate to the idiom. Voice students normally participate in the Dalhousie University Chorus and the Opera. Exceptions may be made for BMus Performance students in their fourth year of applied study. Voice students in the BMus Performance concentration may, for pedagogical reasons, with the agreement of the Voice Area, substitute choral participation with the performance of a significant solo or chamber composition for voice.

The Fountain School of Performing Arts will monitor the number and types of ensembles for each student. Note that most ensembles require auditions.

The Ensemble requirement is specific to each year of Applied Study and appears on the student's transcript. Students will be given a Pass/Fail grade each year and must complete all required levels with a grade of Pass in order to graduate. The ensemble requirement is non-credit and will not count toward course load, but there is NO TUITION FEE for the Ensemble requirement.

Students must attend regularly and punctually the rehearsals and performances of their required ensembles.

Students should note that ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Since rehearsals and concerts are often in the evening, students are advised not to undertake evening commitments that could conflict with these program and course requirements.

Membership in the various ensembles is open to the university and the community by audition. Please contact the director of each ensemble (listed below) or the School for further details.

Dalhousie University Chorus (C. Murray)
Dalhousie Wind Ensemble (N. Beeler)
Dalhousie Chamber Orchestra (P. Djokic)
Dalhousie Jazz Ensemble (C. Mitchell)
Dalhousie Percussion Ensemble (D. Gray)
Dalhousie Opera (G. Servant, M. Swanston)
Small Ensembles (staff coaches)
Collaborative Piano (staff coaches)
Dalhousie Symphony Orchestra (P. Oleskevich)
Voice Chamber Ensemble (M. Swanston)

Preparatory Courses

These courses are for those prospective Music-degree program students who demonstrate outstanding potential at their audition, but who require further training before entering first year Music study at the university level.

- MUSC 1003.03: Preparatory Theory and Aural Skills I
- MUSC 1004.03: Preparatory Theory and Aural Skills II
- MUSC 1071X/Y.03: Preparatory Keyboard Skills
- MUSC 1100X/Y.06: Preparatory Applied Study

Special Notes:

1. Preparatory Music courses MUSC 1003.03, MUSC 1004.03, MUSC 1071X/Y.03 and MUSC 1100X/Y.06, although credit courses, cannot be counted toward a Music degree program; however, they may be counted as electives in other BA or BSc degree programs.
2. Students may be asked to re-test in music theory, aural skills and keyboard skills in order to enter first year courses.
3. The Fountain School of Performing Arts may count the final grade in MUSC 1100X/Y.06 as sufficient proof of readiness to enter one of the School's degree programs, or may require a separate audition or re-audition.

Standards for Preparatory Courses

Minimum grades for advancement to first year Music degree studies (see Special Notes #2 and #3 above):

MUSC 1003.03	C+
MUSC 1004.03	B-
MUSC 1071X/Y.03	B-
MUSC 1100X/Y.06	B-

Applied Study

Individual studio instruction in voice or instrument is required for most music degree programs. These courses may be taken as electives subject to an audition and available space. Please note that all applied study courses require an audition. Please contact the Fountain School of Performing Arts for audition dates or visit website dal.ca/fspa. Auxiliary fees apply. Co-requisite ensemble participation is required. Students must achieve a minimum grade of C in first year applied study in order to advance to second year applied study. Idioms offered are

- Voice
- Guitar
- Piano
- Organ
- Violin
- Viola
- Cello

- Double Bass
- Flute
- Oboe
- Clarinet
- Bassoon
- Saxophone
- French Horn
- Trumpet
- Trombone
- Tuba
- Percussion

Acceptance to the Performance Concentration applied study requires a written application, audition, and permission of the Fountain School of Performing Arts. Auditions take place at the conclusion of the second year of the Bachelor of Music program.

Bachelor of Music (BMus)

The BMus is a four year program with 96 out of 120 credit hours in Music. Upon successful completion of the second year, students in good standing (minimum overall average GPA of 2.7 [B-] in 1000 and 2000-level MUSC courses) may continue with studies in the BMus general degree or may apply for one of three concentrations, Composition, Musicology or Performance: additional requirements for acceptance to the areas of concentration are listed below, including applicable standards. Please also see section 6. Standards for overall BMus grade and other requirements.

Students wishing to pursue one of the three concentrations must apply by March 1 of the second year of study.

BMus Standards

Students may not enrol in the Bachelor of Music Graduation Requirement courses (MUSC 4199/MUSC 4299/MUSC 4399/MUSC 4599) until the fourth year of the Program.

Students must achieve an average minimum overall GPA of 2.7 (B-) in MUSC courses beyond the 1000 level in order to graduate with a BMus degree. Students must achieve a minimum grade of C in 1000 level applied study in order to advance to 2000 level Applied Study. Grades in MUSC courses beyond the 1000 level must be "C" or better in order to count toward the BMus degree.

See also the sections below for specific standards regarding concentrations.

Common Curriculum

First Year

- MUSC 1000-level Applied Study (MUSC 1101X/Y.06 to MUSC 1118X/Y.06)
- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1270X/Y.03: Aural Skills I
- MUSC 1271X/Y.03: Keyboard Skills I
- MUSC 1352.03: Music History I
- MUSC 1353.03: Music History II
- Arts and Social Sciences or Science elective, six credit hours (Writing Course elective)
- MUSC 0122X/Y.00: Ensemble I

Second Year

- MUSC 2000-level Applied Study (MUSC 2101X/Y.06 to MUSC 2118X/Y.06)
- MUSC 2221.03: Music Theory III
- MUSC 2222.03: Music Theory IV
- MUSC 2270X/Y.03: Aural Skills II
- MUSC 2271X/Y.03: Keyboard Skills II
- MUSC 2352.03: Music History III
- MUSC 2353.03: Music History IV: Focused Study *

- Arts and Social Sciences or Science electives, six credit hours
- MUSC 0222X/Y.00: Ensemble II

* Voice students intending to pursue a Concentration in Performance must take MUSC 2175.03 (Lyric Diction for Singers) either in the second or third year of study, depending on the cycle of courses. If they take MUSC 2175.03 in the second year, MUSC 2353.03 (Music History IV) is deferred to year three or four, not omitted.

* Students intending to pursue a Concentration in Composition may take MUSC 2210.03 (Introduction to Composition) in the Fall semester of their second year. Students taking this option will: 1. Defer their Fall three credit hours Arts and Social Sciences or Sciences elective to the Winter term of the same year; 2. Not take MUSC 2353.03 (Music History IV) in the Winter term of their second year. Students accepted into Composition will be exempt from 2353.03. Students who are ***not accepted*** into Composition will take MUSC 2353.03 (Music History IV) in either their third or fourth year.

BMus General Degree

Students in good standing (minimum overall average GPA of 2.7 [B-] in 1000 and 2000-level MUSC courses) may proceed to a BMus general degree program in their third year. This program choice allows for the greatest flexibility within the BMus program offerings. It will prepare students well for advanced degrees in Music including the Bachelor of Education, as well as for a wide range of careers in music.

Students must submit a proposal for their intended graduation project (MUSC 4599.03 or 4000-level musicology seminar) by March 1 of the third year of study, according to the Fountain School of Performing Arts guidelines. Students must achieve a minimum grade of 2.7 (B-) in this credit.

Third Year

- MUSC 3000-level Applied Study (MUSC 3101X/Y.06 to MUSC 3118X/Y.06)
- MUSC 3283.03: Modal Counterpoint OR MUSC 3284.03: Tonal Counterpoint
- MUSC 3221.03: Form and Analysis: The Second Viennese School to the Present Day
- three credit hours in music history beyond the 2000-level chosen from: MUSC 4283.03, MUSC 4285.03, MUSC 4353.03, MUSC 4354.03, MUSC 4355.03, MUSC 4356.03, MUSC 4361/MUSC 4365.03, MUSC 4362.03, MUSC 4363/MUSC 4367.03, MUSC 4380/MUSC 4381.03, MUSC 4358/MUSC 4359.03
- nine credit hours of Music electives
- Arts and Social Sciences or Science elective, six credit hours
- MUSC 0322X/Y.00: Ensemble III

Fourth Year

- MUSC 4000-level Applied Study (MUSC 4101X/Y.06 to MUSC 4118X/Y.06)
- MUSC 3282.03: Orchestration
- MUSC 4599.03: Graduation Project or 4000-level Musicology seminar (see 4. Concentration in Musicology for the list of seminars)
- 12 credit hours of Music electives
- Arts and Social Sciences or Science elective, six credit hours
- MUSC 0422X/Y.00: Ensemble IV

NOTE: Those students who are interested in pursuing a career in classroom teaching of music must complete an undergraduate degree in Music and then complete a Bachelor of Education (BEd) degree at another institution. Students are advised to consult provincial regulations for teacher certification and entrance requirements for their institution of choice, and to meet with the Undergraduate Advisor, in order to ensure optimal course selection within the BMus General degree program.

Concentration in Composition

Students in good standing (minimum overall average GPA of 2.7 [B-] in 1000 and 2000-level MUSC courses), along with a minimum overall average GPA of 3.3 (B+) in their Music Theory and Composition courses (MUSC 1201, MUSC 1222, MUSC 2221 and MUSC 2210) may submit a portfolio of original music by March 1 of the second year to apply for admission to this concentration.

Students selected for this concentration will demonstrate outstanding abilities and potential as composers. See the Fountain School of Performing Arts for further details concerning admission procedures.

Students who are accepted in this concentration must achieve a minimum grade of 3.3 (B+) in Composition I (MUSC 3210.03) in order to remain in the concentration. Students must achieve a minimum grade of 2.7 (B-) in both MUSC 4210.03 and in MUSC 4299.03.

Third Year

- MUSC 3000-level Applied Study (MUSC 3101X/Y.06 to MUSC 3118X/Y.06)

- MUSC 3210X/Y.06: Composition I
- MUSC 3221.03: Form and Analysis: the Second Viennese School to the Present Day
- MUSC 3283.03: Modal Counterpoint or MUSC 3284.03 Tonal Counterpoint
- MUSC 3282.03: Orchestration
- MUSC 4280.03: Contemporary Techniques
- Arts and Social Sciences or Science elective, six credit hours
- MUSC 0322X/Y.00: Ensemble III

Fourth Year

- MUSC 4210X/Y.06: Composition II
- MUSC 4353.03: Music Since 1945 or MUSC 4362.03: Topics in Canadian Music (replacing MUSC 2353.03 Music History IV)
- MUSC 3660.03: Introduction to Music and Sound Technology
- MUSC 3661.03: Electroacoustic Music
- MUSC 4299X/Y.03: Area Graduation Requirement (Composition)
- Arts and Social Sciences or Science elective, six credit hours
- Music elective, six credit hours

Concentration in Musicology

Students in good standing (minimum overall average GPA of 2.7 [B-] in 1000 and 2000-level MUSC courses) must submit two writing samples by March 1 of the second year to apply for admission to this concentration.

Students selected for this concentration will demonstrate outstanding abilities and potential as musicologists. See the Fountain School of Performing Arts for further details concerning admission procedures.

Students who are accepted in this concentration must achieve a minimum grade of 2.7 (B-) in the graduation requirement MUSC 4399.03.

Third Year

- MUSC 3000-level Applied Study (MUSC 3101X/Y.06 to MUSC 3118X/Y.06)
- MUSC 3221.03: Form and Analysis: The Second Viennese School to the Present Day
- MUSC 3283.03: Modal Counterpoint or 3284.03: Tonal Counterpoint
- MUSC 4353.03: Music since 1945
- MUSC 0322X/Y.00: Ensemble III

Fourth Year

- MUSC 4000-level Applied Study (MUSC 4101X/Y.06 to MUSC 4118X/Y.06)
- MUSC 4399X/Y.03: Graduation Requirement (Thesis)
- MUSC 0422X/Y.00: Ensemble IV

Also in the third and fourth years (36 credit hours)

- 12 credit hours of Music electives (any choice, but students are strongly encouraged to take MUSC 3282.03 Orchestration)
- The equivalent of 12 credit hours to be chosen from Musicology electives as listed below:
 - MUSC 3066.03: Women, Gender and Music
 - MUSC 3314.03: History of Opera
 - MUSC 4353.03: Music since 1945
 - MUSC 4354.03: Popular Music Analysis
 - MUSC 4355.03: Narrative Strategies
 - MUSC 4356.03: Opera Studies
 - MUSC 4358.03/MUSC 4359.03: Studies in Medieval Music
 - MUSC 4360.06: Advance Seminar in Baroque Culture
 - MUSC 4361.03/MUSC 4365.03: Topics in Musicology I
 - MUSC 4362.03: Topics in Canadian Music
 - MUSC 4363.03/MUSC 4367.03: Topics in Musicology II
 - MUSC 4380.03/MUSC 4381.03: Selected Composer Studies
- Six credit hours of any introductory language course (X/Y.06). In a case where a student already has a second language, he or she can be directed towards a third language or to six credit hours of literature courses in the second language (e.g., FREN 2021.03: Langue et culture together with FREN 2201.03: Introduction à la littérature for a French-speaking student).
- One of: HIST 1004X/Y.06: Introduction to European History or HIST 1862X/Y.06: North American Experiences

Concentration in Performance

Students in good standing (minimum overall average GPA of 2.7 [B-] in 1000 and 2000 level MUSC courses), along with a minimum grade of 3.3 (B+) in their 1000 and 2000 level Applied Study may audition at the end of second year to apply for admission to this concentration.

Students selected for this concentration will demonstrate outstanding abilities and potential as performers. See the Fountain School of Performing Arts for further details concerning admission procedures.

Students who are accepted in this concentration must achieve a minimum grade of 3.3 (B+) in third year Performance Concentration Applied Study (MUSC 3701.06 to MUSC 3721.06) and in the Third Year performance recital (MUSC 3199.03) in order to remain in the concentration. Students must achieve a minimum grade of 2.7 [B-] in their fourth year Performance Concentration Applied Study (MUSC 4701.06 to MUSC 4721.06) and in their Fourth Year performance recital (MUSC 4199.03).

Third Year

- MUSC-3000 level Performance Concentration Applied Study (MUSC 3701X/Y.06 to MUSC 3721X/Y.06)
- MUSC 3199X/Y.03: Half-Recital (Year III Performance)
- MUSC 3221.03: Form and Analysis: The Second Viennese School to the Present Day
- MUSC 3283.03: Modal Counterpoint or MUSC 3284.03: Tonal Counterpoint
- MUSC 0322X/Y.00: Ensemble III
- three credit hours in music history beyond the 2000-level chosen from: MUSC 4283.03, MUSC 4285.03, MUSC 4353.03, MUSC 4354.03, MUSC 4355.03, MUSC 4356.03, MUSC 4358/MUSC 4359.03, MUSC 4361/MUSC 4365.03, MUSC 4362.03, MUSC 4363/MUSC 4367.03, MUSC 4380/MUSC 4381.03

Fourth Year

- MUSC 4000-level Performance Concentration Applied Study (MUSC 4701X/Y.06 to MUSC 4721X/Y.06)
- MUSC 4199X/Y.03: Area Graduation Requirement (Performance: Recital)
- MUSC 0422X/Y.00: Ensemble IV

Although not required, students in Performance are encouraged to take MUSC 3282.03, Orchestration, as one of their Music electives.

Also in the third and fourth years, according to idiom:

Voice (33 credit hours):

- MUSC 2175.03 Lyric Diction for Singers, taken in year two or three, depending on cycle with Pedagogy/Literature
- MUSC 3176.03: Principles of Vocal Pedagogy
- MUSC 3177.03: Vocal Literature
- MUSC 3314.03: History of Opera
- nine credit hours in Music elective, any choice
- 12 credit hours Arts and Social Sciences or Science electives (at least one Arts and Social Sciences or Science elective taken over the four year program must be an Introductory Language course: either Italian, German or French)

Piano (33 credit hours):

- 21 credit hours of Music electives, any choice; however, if offered, students should take:
 - MUSC 3353.03: Chamber Music Literature
- 12 credit hours Arts and Social Sciences or Science electives

Strings (33 credit hours):

- 21 credit hours Music electives, any choice; however, if offered, students should take:
 - MUSC 3160.03: Conducting
 - MUSC 3353.03: Chamber Music Literature
- 12 credit hours Arts and Social Sciences or Science electives

Guitar (33 credit hours):

- MUSC 3308.06: Modern Guitar
- MUSC 4170.03: Improvisation Techniques and Practices
- 12 credit hours Music electives, any choice
- 12 credit hours Arts and Social Sciences or Science electives

Saxophone (33 credit hours):

- MUSC 2020.03: The History of Jazz
- MUSC 4170X/Y.03: Improvisation Techniques and Practices
- 15 credit hours Music electives, any choice
- 12 credit hours Arts and Social Sciences or Science electives

Wind and brass instruments, percussion (33 credit hours):

- 21 credit hours of Music electives, any choice
- 12 credit hours Arts and Social Sciences or Science electives

BA with Combined Honours in Music and Theatre

The Fountain School of Performing Arts offers a highly specialized four-year BA with a Combined Honours in Music and Theatre which blends the principal courses of the Bachelor of Music in Voice with Theatre courses in Acting and Movement. A maximum of five students will be selected for entrance into the program each year. The graduate of this program will advance toward a professional career in the performing arts equipped with a foundation in music and theatre.

Students must successfully complete the audition/entrance tests for the first year of the Music Program. Students must also audition for, and be accepted into, the Acting Program. The prerequisite for audition is the successful completion of THEA 1800X/Y.06.

To qualify for graduation a student must participate by having a significant role in at least one Fountain School (play or opera) staged musical production.

In addition to the School requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section of this calendar.

NOTE: Students having to withdraw from this Program through failure to achieve the required standards in Theatre courses must re-audition if desiring a degree program in Music. Students having to withdraw from this Program through failure to achieve the required standards in Music courses must re-apply if desiring a degree program in Theatre.

First year

- MUSC 1101X/Y.06: Voice I
- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1270X/Y.03: Aural Skills I
- MUSC 1271X/Y.03: Keyboard Skills I
- THEA 1000X/Y.06: Introduction to Theatre [Writing Requirement]
- THEA 1800X/Y.06: Introduction to Acting and Performance
- MUSC 0122X/Y.00: Ensemble I: (normally Dalhousie University Chorus and Opera)

Second year

- MUSC 2101X/Y.06: Voice II
- MUSC 2221.03: Music Theory III

- MUSC 2222.03: Music Theory IV
- MUSC 2270X/Y.03: Aural Skills II
- MUSC 2271X/Y.03: Keyboard Skills II
- THEA 2800X/Y.06: Acting II
- THEA 2820X/Y.06: Dance & Movement II
- MUSC 0222X/Y.00: Ensemble II: (normally Dalhousie University Chorus and Opera)

Third year

- MUSC 3101X/Y.06: Voice III
- THEA 2012.03: Early Modern Theatre
- THEA 3800X/Y.06: Acting III
- THEA 3820X/Y.06: Dance & Movement III
- Arts and Social Science: One of 1000-level Life or Physical Science, Social Science, or Language Course Requirement (see Degree Requirements)
- MUSC 0322X/Y.00: Ensemble III: (normally Dalhousie University Chorus and Opera)
- MUSC 3314.03: History of Opera

Fourth year

- MUSC 4101X/Y.06: Voice IV
- THEA 4800X/Y.06: Acting IV
- THEA 4840X/Y.06: Advanced Performance Techniques
- Arts and Social Science: Two remaining 1000-level Life or Physical Science, Social Science, or Language Course Requirement (see Degree Requirements)
- MUSC 0422X/Y.00: Ensemble IV: (normally Dalhousie University Chorus and Opera)

Honours Music and Theatre students will be awarded the 21st credit for their satisfactory participation in a Fountain School stage production.

BA (120 credit hour) Honours in Music

In addition to the School requirements listed below, students must satisfy the requirements outlined in the College of Arts and Science Degree Requirements section of this calendar.

Students must successfully complete an audition/entrance tests.

School Requirements

First year (30 credit hours):

- MUSC 1000-level Applied Study (MUSC 1101X/Y.06 to MUSC 1118X/Y.06)
- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1270X/Y.03: Aural Skills I
- MUSC 1271X/Y.03: Keyboard Skills I
- Six credit hours Arts and Social Sciences Writing Course
- Six credit hours Arts and Social Sciences or Science elective
- MUSC 0122X/Y.00: Ensemble I

Second year (30 credit hours):

- MUSC 2000-level Applied Study (MUSC 2101X/Y.06 to MUSC 2118X/Y.06)
- MUSC 2270X/Y.03: Aural Skills II
- MUSC 2271X/Y.03: Keyboard Skills II
- MUSC 2221.03: Music Theory III
- MUSC 2222.03: Music Theory IV
- 12 credit hours Arts and Sciences or Science electives (see Degree Requirements for the College of Arts and Science)
- MUSC 0222X/Y.00: Ensemble II

Additional School Requirements

- MUSC 1352.03: Music History I (recommended during 2nd year)
- MUSC 1353.03: Music History II
- MUSC 2352.03: Music History III
- MUSC 4399.03: Graduation Requirement (Thesis)
- 30 to 42 credit hours Music electives, at least 18 credit hours above the 2000 level

BA or BSc (Combined Honours Program)

Students may enroll in either of these combined honours programs with the joint approval of the Fountain School of Performing Arts and the department of the allied subject (in compliance with the Combined Honours requirements detailed in the Degree Requirements of this calendar). Students must successfully complete an audition/entrance tests.

School Requirements

1000 level

- MUSC 1000-level Applied Study (MUSC 1101X/Y.06 to MUSC 1118X/Y.06)
- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1270X/Y.03: Aural Skills I
- MUSC 1271X/Y.03: Keyboard Skills I
- MUSC 1352.03: Music History I
- MUSC 0122X/Y.00: Ensemble I

Additional School Requirements:

At least 24 credit hours in Music above the 1000 level, at least 12 of which must be at the 3000 or 4000 level. Among these, three credit hours of additional course in Musicology must be completed (chosen from MUSC 2352.03, MUSC 2353.03, MUSC 4353.03).

NOTE: Students considering Honours programs must meet with an academic advisor in the Fountain School of Performing Arts as soon as possible in their program, and no later than their second year of studies. For Combined Honours programs, students must consult with Advisors in BOTH departments for application procedures and deadlines. Students may apply for most honours programs before registering for the second year. Application forms are available from departments, at the Registrar's Office, or at <http://www.dal.ca/registrar>.

BA (120 credit hour) Major in Music

In addition to the School requirements listed below, students must satisfy the requirements outlined in the College of Arts and Science Degree Requirements section of this calendar.

Students must successfully complete an audition/entrance tests.

School Requirements

First year (30 credit hours):

- MUSC 1000 level Applied Study (MUSC 1101X/Y.06 to MUSC 1118X/Y.06)
- MUSC 1201.03: Music Theory I
- MUSC 1222.03: Music Theory II
- MUSC 1270X/Y.03: Aural Skills I
- MUSC 1271X/Y.03: Keyboard Skills I
- Six credit hours Arts and Social Sciences Writing Course
- Six credit hours Arts and Social Sciences or Science elective
- MUSC 0122X/Y.00: Ensemble I

Second year (30 credit hours):

- MUSC 2000-level Applied Study (MUSC 2101X/Y.06 to MUSC 2118X/Y.06)
- MUSC 2270X/Y.03: Aural Skills II
- MUSC 2271X/Y.03: Keyboard Skills II
- MUSC 2221.03: Music Theory III
- MUSC 2222.03: Music Theory IV
- 12 credit hours Arts and Social Sciences or Science electives
- MUSC 0222X/Y.00: Ensemble II

Additional School Requirements:

- MUSC 1352.03: Music History I (recommended during second year)
- MUSC 1353.03: Music History II
- MUSC 2352.03: Music History III
- 18 to 33 credit hours Music electives, at least 18 above the 2000 level

BA or BSc (120 credit hour) Double Major

In addition to the Fountain School of Performing Arts requirements below, students must satisfy the requirements outlined in the College of Arts and Science Degree Requirements section of this calendar. The major subject with the most advanced credit hours appears first on the record.

School Requirements

1. **Music as First Subject:** Students must satisfy the School requirements as listed for the 120 credit hour BA with Major in Music, including 1000 and 2000 level applied study. Students must successfully complete an audition/entrance tests. Please consult with the School for details.
2. **Music as Second Subject:** Students must complete one year of applied study (subject to audition) and 24 Music credit hours above the 1000-level, including 12 credit hours beyond the 2000-level. The following courses may not be used to count toward this degree: MUSC 2007.06, MUSC 2022.06, MUSC 2130.06, MUSC 3130.06.

Minor in Music

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Music is also available.

Students must complete a minimum of 18 to a maximum of 27 credit hours in Music beyond the 1000 level. The following courses may not be used to count toward this degree: MUSC 2007.06, MUSC 2022.06, MUSC 2130.06, MUSC 3130.06.

Minor in Musicology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students must complete a minimum of 18 to a maximum of 27 credit hours in Musicology courses as follows:

- MUSC 2352.03: Music History III
- Six credit hours chosen from
 - MUSC 2016.03: Topics in Music and Cinema
 - MUSC 2018.03: Popular Music until 1960
 - MUSC 2019.03: The Rock 'n' Roll Era and Beyond
 - MUSC 2020.03: The History of Jazz
 - MUSC 2353.03: Music History IV: Focused Study
 - MUSC 3066.03: Women, Gender and Music
 - MUSC 3314.03: History of Opera
- Nine credit hours chosen from 4000 level Musicology seminars as listed below:
 - MUSC 3066.03: Women, Gender and Music

- MUSC 3314.03: History of Opera
- MUSC 4353.03: Music since 1945
- MUSC 4354.03: Popular Music Analysis
- MUSC 4355.03: Narrative Strategies
- MUSC 4356.03: Opera Studies
- MUSC 4358.03/MUSC 4359.03: Studies in Medieval Music
- MUSC 4360.06: Advanced Seminar in Baroque Culture
- MUSC 4361.03/MUSC 4365.03: Topics in Musicology I
- MUSC 4362.03: Topics in Canadian Music
- MUSC 4363.03/MUSC 4367.03: Topics in Musicology II
- MUSC 4380.03/MUSC 4381.03: Selected Composer Studies

Cooperative Degree Programs with the University of King's College

The following degree programs are offered in cooperation with the University of King's College: Bachelor of Music with King's Foundation Year (FYP), Bachelor of Journalism with Music History Option; and Bachelor of Arts combined honours in Contemporary Studies. Students may also pursue a BA (120 credit hour) and an honours BA through the University of King's College. Please consult the University of King's College (Office of the Registrar) for further information including curriculum and registration details.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses so designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

MUSC 0022X/Y Ensemble (Prep)

CREDIT HOURS: 0

A non-credit co-requisite for students in Preparatory Applied Study, MUSC 1100X/Y.06 (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 0122X/Y Ensemble I

CREDIT HOURS: 0

A non-credit co-requisite for students in First Year (1000-level) Applied Study (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 0222X/Y Ensemble II

CREDIT HOURS: 0

A non-credit co-requisite for students in Second Year (2000-level) Applied Study (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 0322X/Y Ensemble III

CREDIT HOURS: 0

A non-credit co-requisite for students in Third Year (3000-level) Applied Study (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly

occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 0422X/Y Ensemble IV

CREDIT HOURS: 0

A non-credit co-requisite for students in Fourth Year (4000-level) Applied Study (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 0522X/Y Ensemble (Advanced)

CREDIT HOURS: 0

A non-credit co-requisite for students in Advanced Applied Study, MUSC 4150X/Y.06 (voice or instrument). The number and type of ensemble(s) are selected in accordance with instrument/program requirements and with the guidance and approval of the applied studies instructor. Ensemble participation typically requires regularly occurring rehearsals and scheduled performances. Please see the department for specific guidelines and schedules. Refer to [Ensemble Participation](#) for further details and a list of ensembles.

MUSC 1003 Preparatory Aural and Theory Skills I

CREDIT HOURS: 3

An introduction to University-level music theory and aural perception for prospective music majors recommended by audition to preparatory level courses in music; also open to non-majors. A knowledge of music reading and rudiments is presumed. This course will place heavy emphasis on learning and drilling the basic concepts of musical structures, from rudiments through to basic harmony. Guided progressive exercise will provide training in sight-singing and dictation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Permission of instructor

EXCLUSIONS: MUSC 1001.03, MUSC 1002.03, MUSC 1070.03

MUSC 1004 Preparatory Aural and Theory Skills II

CREDIT HOURS: 3

A continuation of MUSC 1003.03 for prospective music majors recommended by audition to preparatory level courses in music; also open to non-majors. This course will place heavy emphasis on learning and drilling the basic concepts of musical structures, elementary modulation, comparison of tonality, atonality, modality and chromatic tonality, elementary diatonic harmony and four-part writing. Guided progressive exercise will provide training in sight-singing and dictation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 1003.03 or permission of the instructor

EXCLUSIONS: MUSC 1102.03, MUSC 1070.03

MUSC 1020 Listening to Classical Music

CREDIT HOURS: 3

Designed for the interested listener who desires to acquire an informed response to musical experiences. Knowledge of musical notation and terminology is not a prerequisite. The course is a survey of musical styles from the pre-modern era through baroque and classical styles and into the late nineteenth century. We will consider: music and image; music and the related arts; the art and psychology of listening. This course is for non-music majors and cannot be counted as a credit toward a degree in Music.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: MUSC 1000.06

MUSC 1021 Listening beyond the Classics

CREDIT HOURS: 3

Designed for the interested listener who desires to acquire an informed response to musical experiences. Knowledge of musical notation and terminology is not a prerequisite. The course is a survey of musical styles from the late nineteenth century to the present day. We will consider: music and image; music and the related arts; the art and psychology of listening. This course is for non-music majors and cannot be counted as a credit toward a degree in Music.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: MUSC 1000.06

MUSC 1071X/Y Preparatory Keyboard Skills

CREDIT HOURS: 3

An introduction to keyboard proficiency for Music degree program students, to prepare the student for successful training in keyboard harmony.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 2

PREREQUISITE: Permission of the instructor, on the basis of the results of the Entrance Keyboard Proficiency Test

MUSC 1081X/Y Voice Clinic for the Theatre

CREDIT HOURS: 3

A course in the principles of singing as applied to classical actor training. Exercises and repertoire appropriate to this training will be prepared by the students for class performance. No prior instruction in music or singing is presumed.

FORMAT: Tutorial

EXCLUSIONS: This class is offered exclusively to students in the third year of the Acting Program

MUSC 1100X/Y Preparatory Applied Study

CREDIT HOURS: 6

For students in the Preparatory Year. By special recommendation some music majors may be advised by the Auditioning Committee to begin individual lessons at a level prerequisite to first year Applied Study courses.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0022.00X/Y: Ensemble (Prep)

MUSC 1101X/Y Voice 1

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the website at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1102X/Y Guitar I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1103X/Y Piano I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

MUSC 1104X/Y Organ I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1105X/Y Violin I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1106X/Y Viola I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1107X/Y Cello I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1108X/Y Double Bass I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1109X/Y Flute I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1110X/Y Oboe I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1111X/Y Clarinet I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1112X/Y Bassoon I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1113X/Y Saxophone I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1114X/Y French Horn I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1115X/Y Trumpet I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1116X/Y Trombone I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1117X/Y Tuba I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1118X/Y Percussion I

CREDIT HOURS: 6

Please note that all instrument and voice courses require an audition. Please contact the Fountain School for audition dates or visit the web site at <http://dal.ca/fspa>. Auxiliary fees apply.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

COREQUISITE: MUSC 0122.00X/Y: Ensemble I

MUSC 1201 Music Theory I

CREDIT HOURS: 3

This course starts with a review of important music theory basics like intervals and scales. It then focuses on 4-part tonal harmony, as a preparation to Music Theory II (MUSC 1222, winter term) which is a more in-depth study of tonal harmony. Special attention will be given to voice leading and harmonic analysis.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: MUSC 1270X/Y.03, 1271X/Y.03

PREREQUISITE: Permission of the instructor, based on placement testing, or MUSC 1001.03/MUSC 1002.03

MUSC 1222 Music Theory II

CREDIT HOURS: 3

As a continuation to Music Theory I, MUSC 1201, this course is a study of tonal harmony. Topics include modulation to closely related keys, tonicization, use of non-chord tones, and an introduction to chromatic progressions, especially using the augmented sixth and Neapolitan sixth chords. Skills in part-writing and harmonic analysis will be developed.

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
COREQUISITE: MUSC 1270X/Y.03, MUSC 1271X/Y.03
PREREQUISITE: MUSC 1201.03 or permission of the instructor
EXCLUSIONS: MUSC 1202.03

MUSC 1270X/Y Aural Skills I

CREDIT HOURS: 3

A course designed to correlate with MUSC 1201.03 and MUSC 1222.03. Melodic, harmonic, rhythmic, textural and stylistic factors are visualized, performed and dictated systematically. Lab work in ear-training and sight-singing is done three times per week. Each student is a member of a small working section. SIGNATURE REQUIRED

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lab

LAB HOURS PER WEEK: 3

COREQUISITE: MUSC 1201.03, MUSC 1222.03, and MUSC 1271X/Y.03

PREREQUISITE: Permission of the instructor based on placement testing or MUSC 1001.03/ MUSC 1002.03 or equivalent

MUSC 1271X/Y Keyboard Skills I

CREDIT HOURS: 3

The development of basic skills in sight reading, score reading and harmonized accompaniment at the keyboard, for Music degree program students. SIGNATURE REQUIRED

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lab

LAB HOURS PER WEEK: 2

COREQUISITE: MUSC 1201.03, MUSC 1222.03, and MUSC 1270X/Y.03

PREREQUISITE: Permission of instructor based on placement testing, or MUSC 1071.03

MUSC 1352 Music History I

CREDIT HOURS: 3

An introduction to thinking and writing about music. This course will use well-known works to develop an understanding of musical styles and functions, and it will explore such topics as melody, harmony, rhythm, texture and timbre. One of the goals of the course is to acquire university-level research, writing, critical listening and analytical skills. The ability to read musical notation is required.

NOTES: SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

MUSC 1353 Music History II

CREDIT HOURS: 3

A survey of Western European art music from antiquity to 1750. The work required will include critical listening, writing, score study and historical research.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 1352.03 or permission of instructor

EXCLUSIONS: MUSC 1350.03 and MUSC 1351.03

MUSC 2007X/Y The Guitar: History and Techniques

CREDIT HOURS: 6

This course will introduce students to the various styles of guitar playing from classical to jazz to folk. The history of the instrument (including lute and other related plucked instruments) and an examination of the key styles and performers will be covered. Practical instruction will be provided in this course, so a guitar will be necessary. Practical instruction will attempt to accommodate the various skill levels of the students enrolled. SPECIAL NOTE: This course is for non-music majors and cannot be counted toward a music degree.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Lab

MUSC 2008X/Y Modern Guitar

CREDIT HOURS: 6

A course for students with a serious interest in preparing for studio guitar playing. The course includes jazz, folk, rock and accompanying idioms. Students will receive instruction and participate in ensemble playing in improvisation, score reading, chording, and arranging.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively. Music majors must register in MUSC 3308X/Y.06

FORMAT: Lecture| Lab

PREREQUISITE: MUSC 2007.06 or permission of instructor

EXCLUSIONS: MUSC 3308.03

MUSC 2016 Topics in Music and Cinema

CREDIT HOURS: 3

This course investigates various engagements of music and cinema. Topics vary from year to year and may include: diegetic/non-diegetic music, musical narrativity in film, representation, manipulation, cinema and opera, music or sound as special effect, film-scoring and the use of notable songs/tunes.

FORMAT: Lecture| Lab

EXCLUSIONS: MUSC 2015X/Y.06

MUSC 2018 Popular Music Until 1960

CREDIT HOURS: 3

This course focuses on the origins and development of popular music in the twentieth century, tracing a history of rock'n'roll from its roots in minstrelsy and music hall

styles of the nineteenth century until the end of rock'n'roll era in the 1950s. While no previous background in music is required, students will be expected to listen closely to selected music and to contribute to class discussions. Students will gain greater knowledge of history, as it affects and is affected by musical activities, and they will appreciate the motives behind the debates that have always surrounded popular music. Above all, students will learn to understand the history of rock'n'roll in terms of changes in both musical techniques and social values, and to recognize music as a site of celebration and struggle.

FORMAT: Lecture| Discussion

MUSC 2019 The Rock'n'Roll Era and Beyond

CREDIT HOURS: 3

This course focuses on the many different kinds of popular music that have proliferated since the 1950s. While no previous background in music is required, students will be expected to listen closely to selected music and to contribute to class discussions. Students will gain greater knowledge of history, as it affects and is affected by musical activities, and they will appreciate the motives behind the debates that have always surrounded popular music. Above all, students will learn to understand the history of rock'n'roll in terms of changes in both musical techniques and social values, and to recognize music as a site of celebration and struggle.

FORMAT: Lecture| Discussion

MUSC 2020 The History of Jazz

CREDIT HOURS: 3

This course is a survey of the origins and development of jazz, concentrating on the historical and social contexts of music and musicians. We will discuss many of the kinds of music that have been called jazz, and we will analyze their roles in twentieth century culture. Knowledge of musical notation and terminology is not required.

FORMAT: Lecture| Discussion

EXCLUSIONS: MUSC 2013X/Y.06, MUSC 3313X/Y.06

MUSC 2022X/Y The Art and Science of Drumming

CREDIT HOURS: 6

This course will introduce students to the art and science of music using hand drums. The history of the instrument as well as cultural context and rhythmic structure will be discussed for various styles of drumming. A significant portion of the class will be practical, where students will be taught the rudiments of reading music and playing hand drums. This means that it will be necessary for each student to bring an approved hand drum to each class.

NOTES: This course is for non-music majors only and cannot be counted as a credit in a Music degree program.

FORMAT: Lecture| Lab

MUSC 2101X/Y Voice II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2102X/Y Guitar II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2103X/Y Piano II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2104X/Y Organ II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2105X/Y Violin II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2106X/Y Viola II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2107X/Y Cello II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2108X/Y Double Bass II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2109X/Y Flute II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2110X/Y Oboe II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2111X/Y Clarinet II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2112X/Y Bassoon II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2113X/Y Saxophone II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2114X/Y French Horn II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2115X/Y Trumpet II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2116X/Y Trombone II

CREDIT HOURS: 6

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2117X/Y Tuba II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2118X/Y Percussion II

CREDIT HOURS: 6

By audition only - Auxialry fees apply. Contact Fountain School of Performing Arts. <http://dal.ca/fspa>

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0222.00X/Y: Ensemble II

MUSC 2130X/Y Jazz Dance I (Spring Session Only)

CREDIT HOURS: 6

This course is a practical exploration into the Luigi Jazz Dance technique, incorporating the use of space, rhythm, and correct body alignment. Emphasis is on the development of personal expression through the medium of dance. Students are expected to develop an awareness of dance terminology and vocabulary.

FORMAT: Lecture| Lab

CROSS-LISTING: THEA 2020.06: Jazz Dance I (spring session only)

MUSC 2164 Special Topics: Applied Study

CREDIT HOURS: 3

A course for music students to pursue applied study in a secondary idiom as a special topic. Enrolment in this course is at the discretion of the Fountain School of Performing Arts through approval of the committee on studies and an audition. This course involves an auxiliary fee.

NOTES: SIGNATURE REQUIRED

FORMAT: Studio

MUSC 2175X/Y Lyric Diction for Singers

CREDIT HOURS: 3

An introduction to lyric diction and the expression of text in concert and operatic repertoire. A study of the International Phonetic Alphabet and its application to the lyric pronunciation of the four most commonly used languages in Classical singing: Italian, German, English and French. This course cannot satisfy a language requirement in a program.

NOTES: SIGNATURE REQUIRED Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

EXCLUSIONS: MUSC 3175.03

MUSC 2210 Introduction to Composition

CREDIT HOURS: 3

An introductory composition course in which students will write short pieces for a solo instrument or a small chamber ensemble. Each piece will be written using a different approach, including for example traditional tonality, modes, intervallic organization and 12-tone techniques.

FORMAT: Lecture| Tutorial

PREREQUISITE: MUSC 1222.03 OR permission of instructor

MUSC 2221 Music Theory III

CREDIT HOURS: 3

A continuation of Music Theory II, developing further skills in chromatic harmony through part-writing and harmonic analysis.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: MUSC 2270X/Y.03, MUSC 2271X/Y.03

PREREQUISITE: MUSC 1222.03 or permission of the instructor

EXCLUSIONS: MUSC 2201.03

MUSC 2222 Music Theory IV

CREDIT HOURS: 3

Formal and harmonic analysis of selected 18th- and 19th-century compositions in various styles and idiom.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: MUSC 2270X/Y.03, MUSC 2271X/Y.03

PREREQUISITE: MUSC 2221.03 or permission of the instructor

EXCLUSIONS: MUSC 3281.03

MUSC 2270X/Y Aural Skills II

CREDIT HOURS: 3

This course provides further practice in melodic and harmonic dictation and sight-singing; it correlates with MUSC 2221.03 and MUSC 2222.03. A special component deals with solmization skills in sight reading. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 2

COREQUISITE: MUSC 2221.03, MUSC 2222.03, MUSC 2271X/Y.03

PREREQUISITE: MUSC 1201.03, MUSC 1222.03, MUSC 1270X/Y.03, MUSC 1271X/Y.03

MUSC 2271X/Y Keyboard Skills II

CREDIT HOURS: 3

A continuation of MUSC 1271X/Y.03 for Music degree program students. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 2

COREQUISITE: MUSC 2221.03, MUSC 2222.03, MUSC 2270X/Y.03

PREREQUISITE: MUSC 1201.03, MUSC 1222.03, MUSC 1270X/Y.03, MUSC 1271X/Y.03

MUSC 2352 Music History III

CREDIT HOURS: 3

A survey of Western European art music from 1750 to the present. The work required will include critical listening, writing, score study and historical research.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 1352.03 and/or permission of the instructor

EXCLUSIONS: MUSC 2350.03 and MUSC 2351.03

MUSC 2353 Music History IV: Focused Study

CREDIT HOURS: 3

This course provides the opportunity for the advanced study of selected topics in music history. Its specific focus changes each year according to the instructor, but it always develops concepts and methods introduced in Music History I-III, and it challenges students with more in-depth analysis of a genre, composer, period or style.

Thus, topics covered will include: the medieval lyric; the works of Beethoven; music in the 1960s; cool jazz.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 1353.03 and MUSC 2352.03 and/or permission of instructor

MUSC 2600X/Y Recording Studio Techniques

CREDIT HOURS: 6

Techniques for creating and recording music in the contemporary recording studio. The course will lay a foundation for contemporary musicians and sound artists to understand and work in the recording studio, both as an “instrument” in its own right, and as an extension of their own instrumental techniques. In addition to technical topics (microphone usage, console and recorder operations, etc.) there is a further emphasis on production techniques: approaches to performing and directing in the studio; proper conduct on both sides of the glass; planning, budgeting and running a session; creative use of technical resources. Auxiliary fees apply.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: Interview with the instructor

MUSC 3060 Introduction to Music and Sound Technology

CREDIT HOURS: 3

An introduction to the technologies in common use in music creation, performance and teaching, with particular attention to the way these technologies shape artistic and pedagogical processes. Topics include basic electroacoustic theory, sound recording and editing, sound synthesis, MIDI, and personal computer music applications. Auxiliary fees apply.

NOTE: Course Details listed here also apply to MUSC 3660.

NOTES: Music majors must register in MUSC 3660.03

FORMAT: Lecture| Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: Permission of the instructor

MUSC 3061 Electroacoustic Music

CREDIT HOURS: 3

An introduction to techniques and strategies for the creation and performance of electroacoustic and experimental music. The emphasis is on individual student creative works, with collective critiques. Students are encouraged to explore historic, contemporary, cross-disciplinary and experimental strategies in the creation and performance of their work.

NOTE: Course Details listed here also apply to MUSC 3661. Auxiliary fees apply.

NOTES: Music majors must register in MUSC 3661.03

FORMAT: Lab| Seminar

PREREQUISITE: MUSC 3060.03, MUSC 3660.03, or its equivalent; permission of the instructor

MUSC 3066 Women, Gender and Music

CREDIT HOURS: 3

The course explores the variety of ways in which gender shapes musical discourse. The role of gender in music will be examined through three broad topics: the history of female contributions to music as musicians, composers, patrons and listeners; musical constructions of gender, race, class and sexuality; and feminist criticism in recent musical discourse. Music students will be directed to more technical literature for their assignments and research paper, and will be required to engage in more technical descriptions of the music for all written work.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03, MUSC 1352.03, MUSC 1353.03, MUSC 2352.03

CROSS-LISTING: GWST 2066.03

MUSC 3101X/Y Voice III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322.00X/Y: Ensemble III

MUSC 3102X/Y Guitar III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322.00X/Y: Ensemble III

MUSC 3103X/Y Piano III

CREDIT HOURS: 6

MUSC 3104X/Y Organ III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3105X/Y Violin III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3106X/Y Viola III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3107X/Y Cello III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3108X/Y Double Bass III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/YX/Y.00: Ensemble III

MUSC 3109X/Y Flute III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3110X/Y Oboe III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3111X/Y Clarinet III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3112X/Y Bassoon III

CREDIT HOURS: 6

MUSC 3113X/Y Saxophone III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3114X/Y French Horn III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3115X/Y Trumpet III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3116X/Y Trombone III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3117X/Y Tuba III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3118X/Y Percussion III

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3130X/Y Jazz Dance II (Spring Session Only)

CREDIT HOURS: 6

This course is the continued practical exploration into the Luigi Jazz Dance Technique at the intermediate level. Emphasis is on the development of personal expression through the medium of dance. Students must have a basic foundation in dance technique.

FORMAT: Lecture| Lab

PREREQUISITE: MUSC 2130.06 or permission of instructor (interview)

CROSS-LISTING: THEA 3020.06: Jazz Dance II (spring session only)

MUSC 3160 Conducting

CREDIT HOURS: 3

A practical introduction to the basic techniques of conducting.SIGNATURE REQUIRED

FORMAT: Lab

LAB HOURS PER WEEK: 2

PREREQUISITE: MUSC 2270.03 and MUSC 2222.03 and/or permission of the instructor

MUSC 3161 Choral Techniques

CREDIT HOURS: 3

Study of the distinctive features of conducting choral ensembles with emphasis on rehearsal technique, score preparation, interpretation and group methods of building vocal tone. Practical experience will be gained in university and community settings.SIGNATURE REQUIRED

FORMAT: Lecture| Lab

PREREQUISITE: MUSC 2270.03 and MUSC 2222.03 and/or permission of the instructor

MUSC 3176 Principles of Vocal Pedagogy

CREDIT HOURS: 3

An introduction to the classic pedagogies of the Italian, German, French and English schools of singing. Spectograph analysis of vowel formant series and fiberoptic video analysis of laryngeal function will be studied as well. Students will apply the techniques studied through a supervised practicum.SIGNATURE REQUIRED

FORMAT: Lecture| Tutorial

COREQUISITE: MUSC 3101.03/MUSC 3701.03 or MUSC 4101.03/MUSC 4701.03

PREREQUISITE: MUSC 2101.03 and permission of the instructor

MUSC 3177 Vocal Literature

CREDIT HOURS: 3

An introductory survey of Classical song literature from the Renaissance to the modern day covering the historical context, style and vocal performance practice through listening, assigned readings and score study.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Permission of the instructor

MUSC 3199X/Y Half - Recital

CREDIT HOURS: 3

Required for all third-year Bachelor of Music students in the Performance concentration. May also be available to exceptional students in the fourth year of other 120 credit hour Music degree programs, by audition. Students must have completed all 2000-level theory courses as per Calendar guidelines. Students not in BMus Performance concentration must have a co-requisite of a minimum 4000-level applied study course. Please note that additional fees will apply for students not in BMus Performance concentration. This performance is a solo recital only. Recital repertoire should consist of 30 to 45 minutes of music. See the Fountain School of Performing Arts for further details including audition procedures and deadlines. Exclusions: students in 90 credit hour degree programs are not eligible.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Audition and permission of department

MUSC 3210X/Y Composition I

CREDIT HOURS: 6

Open only to students accepted into the BMus Concentration in Composition. Techniques and approaches of today's music studied through writing of musical works for diverse instruments and ensembles, and through analysis of important works of repertoire. Emphasis will be given to creativity and to practical aspects of musical composition: effectiveness of orchestration, playability, quality of score, and preparation of parts.SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

MUSC 3221 Form and Analysis: the Second Viennese School to the Present Day

CREDIT HOURS: 3

Analysis of selected 20th- and 21st-century compositions.SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03, MUSC 2352.03 or permission of the Department

EXCLUSIONS: MUSC 4281.03

MUSC 3282X/Y Orchestration

CREDIT HOURS: 3

A survey of the development of the orchestra and the orchestral instruments with an introduction to acoustics. Technique in the deployment of instrumental combinations is emphasized through practical exercises in scoring for small chamber ensembles and a medium-sized orchestra common in the 20th century.

SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03

MUSC 3283 Modal Counterpoint

CREDIT HOURS: 3

Polyphonic techniques of the Renaissance period studied through written exercises in species and free counterpoint, as well as through analysis of works by Lasso, Palestrina, Victoria and others.SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03

EXCLUSIONS: MUSC 3280.03

MUSC 3284 Tonal Counterpoint

CREDIT HOURS: 3

A study of tonal counterpoint in the baroque style. A particular emphasis will be made on the instrumental music of its most representative master, J.S. Bach, through analysis of works and writing of stylistic exercises. SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03

EXCLUSIONS: MUSC 3280.03

MUSC 3308X/Y Modern Guitar (Advanced Fretboard and Harmony)

CREDIT HOURS: 6

For music majors only, this course aims to give the committed guitarist a thorough grounding in fretboard harmony, progressing from the simplest structures to the most complex, and to provide resources and practical exercises for applying this content within various musical idioms.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: MUSC 1102, MUSC 2102

EXCLUSIONS: MUSC 2008

MUSC 3314 History of Opera

CREDIT HOURS: 3

Consideration of the history of Opera from its origin to the present day. Concepts to be examined include: "high" and "low" styles; national styles; gender and race; and function in contemporary Western society.

FORMAT: Lecture

PREREQUISITE: MUSC 1353.03 and MUSC 2352.03, or permission of the instructor

EXCLUSIONS: MUSC 2011.06 and MUSC 3311.06

MUSC 3353 Chamber Music Literature

CREDIT HOURS: 3

A study in depth of chamber music from the Eighteenth century to contemporary schools.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2352.03 or permission of the instructor

MUSC 3355 The Piano and its Literature

CREDIT HOURS: 3

A study in depth of the evolution of the piano and its repertoire from the Eighteenth century to the contemporary.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2352.03 or permission of the department

MUSC 3480X/Y Band Instruments

CREDIT HOURS: 3

A practical introduction to the principal band instruments. Group instruction is offered in flute, oboe or bassoon, saxophone, trumpet or French horn, trombone and tuba, and percussion. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 2

PREREQUISITE: Permission of the department, and an interview with the Class Coordinator

MUSC 3660 Introduction to Music and Sound Technology

CREDIT HOURS: 3

See MUSC 3060

MUSC 3661 Electroacoustic Music

CREDIT HOURS: 3

See MUSC 3061

MUSC 3701X/Y Voice III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3702X/Y Guitar III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3703X/Y Piano III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#).

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3704X/Y Organ III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3705X/Y Violin III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3706X/Y Viola III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3707X/Y Cello III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3708X/Y Double Bass III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3709X/Y Flute III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 3709X/Y.00: Ensemble III

MUSC 3710X/Y Oboe III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3711X/Y Clarinet III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3712X/Y Bassoon III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3713X/Y Saxophone III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3714X/Y French Horn III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3715X/Y Trumpet III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3716X/Y Trombone III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3717X/Y Tuba III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 3718X/Y Percussion III (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0322X/Y.00: Ensemble III

MUSC 4101X/Y Voice IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4102X/Y Guitar IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4103X/Y Piano IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4104X/Y Organ IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4105X/Y Violin IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4106X/Y Viola IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.06: Ensemble IV

MUSC 4107X/Y Cello IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4108X/Y Double Bass IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4109X/Y Flute IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4110X/Y Oboe IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4111X/Y Clarinet IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4112X/Y Bassoon IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4113X/Y Saxophone IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4114X/Y French Horn IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4115X/Y Trumpet IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 4115X/Y.00: Ensemble IV

MUSC 4116X/Y Trombone IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4117X/Y Tuba IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4118X/Y Percussion IV

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4150X/Y Advanced Applied Study

CREDIT HOURS: 6

By special permission of the Fountain School of Performing Arts, a student may enroll in an advanced year of applied study, subject to enrolment quotas and budget. Individual studio instruction. Auxiliary fees apply. Co-requisite ensemble participation is required.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

COREQUISITE: MUSC 0522X/Y.00: Ensemble (Advanced)

PREREQUISITE: MUSC 4000-level applied study and permission of the instructor, subject to budget and current studio capacity

MUSC 4170X/Y Improvisation Techniques and Practices

CREDIT HOURS: 3

A studio course in the techniques and performance skills of improvisation as related to the jazz idiom, and other contemporary and non-Western music; students will perform as soloists and in small ensembles.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Studio

PREREQUISITE: 3000-level applied study course, and the approval of the instructor

MUSC 4190X/Y Symphony Apprenticeship

CREDIT HOURS: 6

A student in the Bachelor of Music Performance Concentration who has demonstrated exceptional aptitude and ability in his/her orchestral instrument, appropriate to the standards for employment by Symphony Nova Scotia, will serve apprenticeship in the Symphony, supervised by his/her Applied Study Instructor. Preference will normally be given to a fourth-year student. Normally the majority or all of the 34-38 services will be played during the First Term. Qualification for this credit will be subject to the needs of the Symphony, nomination by the Fountain School of Performing Arts, and a successful audition for the Symphony Artistic Director and relevant Symphony Section Principals. The student will be hired by the Symphony at the current per-service rate, and must be a Member in Good Standing of the Atlantic Federation of Musicians. The student will be graded by his/her supervising Instructor on personal observation and on receipt of a signed evaluation from the Artistic Director of the Symphony. Normally there shall be only one such apprenticeship per season, and it is not renewable.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Nomination by the Fountain School of Performing Arts; audition with Symphony Artistic Director and relevant Symphony Section Principals

RESTRICTIONS: Normally limited to a student in the fourth year of the BMus Program Performance Concentration

MUSC 4192 Short Apprenticeship

CREDIT HOURS: 3

Students gain practical, workplace experience with an organization appropriate to their course of study. The Short Apprenticeship will represent approximately 50 - 60 hours of work on an approved project with a sponsoring organization. Positions will in general be paid, but this is not guaranteed.

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Permission of the Fountain School

RESTRICTIONS: Students must have completed two years of study in a Minor/Major/Double Major/Honours/Combined Honours Bachelor of Arts program in Music or the Bachelor of Music program. Applications for apprenticeships will be evaluated by a Fountain School Performing Arts committee, which will have final decision about which apprenticeships can be sponsored by the School.

MUSC 4193X/Y Long Apprenticeship

CREDIT HOURS: 6

Students gain practical, workplace experience with an organization appropriate to their course of study. The Long Apprenticeship will represent approximately 100 – 120 hours of work on an approved project with a sponsoring organization. Positions will in general be paid, but this is not guaranteed. The course includes a pre-apprenticeship workshop with the instructor of record.

COURSE FREQUENCY: Yearly

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Students must have completed two years of study in a Minor/Major/Double Major/Honours/Combined Honours Bachelor of Arts program in Music or the Bachelor of Music program. Applications for apprenticeships will be evaluated by a FSPA committee, which will have final decision about which apprenticeships can be sponsored by the School.

EXCLUSIONS: There are no exclusions, but a student who has completed MUSC 4193.06 will not be prioritized if s/he applies for MUSC 4192.03 and vice versa.

MUSC 4199X/Y Area Graduation Requirement (Performance: Recital)

CREDIT HOURS: 3

Required of and restricted to all students in the Performance concentration of the Bachelor of Music program. The recital repertoire should consist of 55 to 75 minutes of music.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Permission of the department

MUSC 4210X/Y Composition II

CREDIT HOURS: 6

Open only to students accepted into the BMus Concentration in Composition. Techniques and approaches of today's music studied through writing of musical works for diverse instruments and ensembles, and through analysis of important works of repertoire. Emphasis will be given to creativity and to practical aspects of musical composition: effectiveness of orchestration, playability, quality of score, and preparation of parts. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: MUSC 3210X/Y.06 and permission of the instructor

MUSC 4280X/Y Contemporary Techniques

CREDIT HOURS: 3

Some of today's main compositional techniques will be studied in this course. These may include advanced modal and 12-tone writing, interval and texture-oriented procedures, as well as aleatoric strategies. Special attention will be given to problems of notation and instrumentation raised by the afore-mentioned approaches. SIGNATURE REQUIRED

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MUSC 2222.03, 3283.03 or 3284.03

MUSC 4283 Early Music Analysis

CREDIT HOURS: 3

A seminar exploring the various approaches to early music analysis, covering chant, early polyphony and music by significant figures before 1600 including Machaut, DuFay and Josquin.

FORMAT: Seminar

PREREQUISITE: MUSC 3281.03 or permission of the Instructor

MUSC 4299X/Y Area Graduation Requirement (Composition Recital)

CREDIT HOURS: 3

A jury-based assessment of the final requirements for the BMus, Composition Program.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Permission of the composition instructor

MUSC 4353 Music Since 1945

CREDIT HOURS: 3

This course examines themes in Music since 1945. Topics to be considered include compositional techniques, music and cultural theory, and avant garde and mainstream musics.

FORMAT: Seminar

PREREQUISITE: MUSC 2352, MUSC 2353 or permission of instructor

CROSS-LISTING: MUSC 5353

MUSC 4354 Popular Music Analysis

CREDIT HOURS: 3

In this course for music majors, we examine various methods and techniques for studying popular music. We consider the central debates of this relatively new field of scholarly inquiry, and we assess the contributions of popular music scholarship to the larger fields of music study.

FORMAT: Seminar

PREREQUISITE: MUSC 2352.03, 2353.03 or permission of the instructor

CROSS-LISTING: MUSC 5354

MUSC 4355 Narrative Strategies in Nineteenth-Century Music: Gender, Identity, and Social Politics

CREDIT HOURS: 3

An interdisciplinary survey of nineteenth-century instrumental music, focusing on the narrative potential of nineteenth-century musical conventions and their relationship to other aspects of nineteenth-century Western culture. Representative musical works will be studied within the context of broader social and cultural issues, including gender, race, class, sexuality, nationality, ethnicity, and identity.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor

CROSS-LISTING: GWST 4355.03, MUSC 5355.03

MUSC 4356 Opera Studies

CREDIT HOURS: 3

An examination of current critical issues in opera studies. Specific topics may vary from year to year; examples include 'Opera and Politics' and 'Operas of Mozart on Stage and Screen', 'Women in Opera,' 'Opera on Film.'

FORMAT: Seminar

PREREQUISITE: MUSC 2352: Open to non-majors by permission of instructor

CROSS-LISTING: MUSC 5356.03

MUSC 4358 Studies in Medieval Music

CREDIT HOURS: 3

An advanced seminar and intensive study of medieval music. Specific topics will change from year to year, including the musical output and reception of Hildegard of Bingen, and the poetry, music and manuscripts of Guillaume de Machaut.

NOTE: Course Details listed here also apply to MUSC 4359.

FORMAT: Seminar

PREREQUISITE: MUSC 2353 or permission of the instructor

MUSC 4359 Studies in Medieval Music

CREDIT HOURS: 3

See MUSC 4358

FORMAT: Seminar

PREREQUISITE: MUSC 2353 or permission of the instructor

MUSC 4360 Advanced Seminar in Baroque Culture

CREDIT HOURS: 6

This course offers its students a survey of key aspects of seventeenth and eighteenth-century European history and society along with a first-hand view of some of the most important aspects of baroque style and material culture. It takes place in the town of Cesky Krumlov in the Czech Republic. The course introduces students to the socio-political conditions that led to the birth of Baroque civilization before entering into an exploration of the court life of seventeenth and eighteenth-century Europe. It then examines the cultural and artistic forms most characteristic of this period, with particular emphasis on opera history and on the role of the 'theatrical' in the Baroque arts. As the course proceeds, students will have an opportunity to consider the connections between course material and the evidence of Baroque culture to be found in the Castle Theatre's scenographic machinery, its stock of original scenery and props, and its collection of historical costumes, as well as to witness an experimental Baroque opera performance. Finally, the course will include visits to Prague and other sites of interest to add to students' understanding of the Baroque and its legacy to subsequent periods.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: Permission of the Fountain School of Performing Arts and/or the Department of History.

CROSS-LISTING: HIST 4162.06, THEA 4735.06

RESTRICTIONS: 3rd and 4th year students only.

MUSC 4361 Topics in Musicology I

CREDIT HOURS: 3

These are intensive studies of selected topics announced annually. Students should check the online university timetable or contact the department for details.

NOTE: Course Details listed here also apply to MUSC 4365.

FORMAT: Seminar

PREREQUISITE: MUSC 2353

CROSS-LISTING: MUSC 5361

MUSC 4362 Topics in Canadian Music

CREDIT HOURS: 3

This course focuses on one or more of the following topics: Canadian composers, performers and musical institutions. The perspective may be analytical, aesthetic and/or historical.

FORMAT: Seminar

PREREQUISITE: Permission of instructor

CROSS-LISTING: CANA 4362.03

EXCLUSIONS: MUSC 3362.03

MUSC 4363 and MUSC 4367 - Topics in Musicology II

CREDIT HOURS: 3

These are intensive studies of selected topics announced annually. Students should check the online university timetable or contact department for details.

NOTE: Course Details listed here also apply to MUSC 4376.

FORMAT: Seminar

PREREQUISITE: MUSC 2353

CROSS-LISTING: MUSC 5363

MUSC 4364X/Y Topics in Music

CREDIT HOURS: 3

These are intensive studies of selected topics announced annually. SIGNATURE REQUIRED.

NOTE: Course Details listed here also apply to MUSC 4366.

FORMAT: Seminar

PREREQUISITE: MUSC 1352.03, 1353.03, 2352.03

MUSC 4365X/Y Topics in Musicology I

CREDIT HOURS: 3

See MUSC 4361.

FORMAT:

MUSC 4366X/Y Topics in Music

CREDIT HOURS: 3

See MUSC 4364

MUSC 4368X/Y Special Studies

CREDIT HOURS: 3

Individually directed research and writing under the supervision of an appropriate member of the Department. SIGNATURE REQUIRED.

NOTE: Course Details listed here also apply to MUSC 4369.
PREREQUISITE: MUSC 2352.03

MUSC 4369 Special Studies

CREDIT HOURS: 3
See MUSC 4368.

MUSC 4380 and MUSC 4381.03: Selected Composer Studies

CREDIT HOURS: 3
An intensive study of a single composer, focusing on works and cultural context.
FORMAT: Lecture| Discussion
PREREQUISITE: MUSC 2352, MUSC 2353

MUSC 4399X/Y Graduation Requirement (Thesis)

CREDIT HOURS: 3
Students must receive Fountain School of Performing Arts approval to fulfil this graduation requirement. Students must submit the required Thesis Form by March 1 of the third year of study, along with any other requirements specific to their degree program. Please see the School for guidelines and deadlines.
NOTES: SIGNATURE REQUIRED. Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.
PREREQUISITE: Permission of the Fountain School of Performing Arts

MUSC 4599X/Y Graduation Project

CREDIT HOURS: 3
Students in the BMus General degree program must receive the Fountain School of Performing Arts approval to fulfil this graduation requirement. Project proposals must be submitted by students no later than March 1 of the third year of study. For more details on project options and application requirements, please consult the School.
NOTES: SIGNATURE REQUIRED. Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.
PREREQUISITE: Permission of the department

MUSC 4701X/Y Voice IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4702X/Y Guitar IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4703X/Y Piano IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4704X/Y Organ IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4705X/Y Violin IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0433X/Y.00: Ensemble IV

MUSC 4706X/Y Viola IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4707X/Y Cello IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4708X/Y Double Bass IV (Performance)

CREDIT HOURS: 6
By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4709X/Y Flute IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4710X/Y Oboe IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4711X/Y Clarinet IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4712X/Y Bassoon IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4713X/Y Saxophone IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4714X/Y French Horn IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4715X/Y Trumpet IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4716X/Y Trombone IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4717X/Y Tuba IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .
COREQUISITE: MUSC 0422X/Y.00: Ensemble IV

MUSC 4718X/Y Percussion IV (Performance)

CREDIT HOURS: 6

By audition. Auxiliary fees apply. Contact [Fountain School of Performing Arts](#) .

Philosophy

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1142

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3810

Fax: (902) 494-3518

Website: www.philosophy.dal.ca

Email Address: dalphil@dal.ca

Beginning in Philosophy

There are many different ways of beginning in philosophy. The Dalhousie Philosophy Department offers three sorts of courses for beginners: (1) general survey introductions, which will give you a taste of a variety of questions and answers; (2) introductions to special areas; (3) logic, which is the study of the theory and techniques of good reasoning. Students wishing to major in philosophy are encouraged to begin with Introduction to Philosophy (either PHIL 1000.06 or PHIL 1010.06) in which a wide range of philosophical issues are discussed. But any student in any year may begin philosophy with a course that has no prerequisites. These include the 1000 level courses and many of the courses at the 2000 level. Although any of the 2000 level non-prerequisite courses provide the student with a good introduction to philosophical thinking, by far the best introduction is provided by the full year introduction (PHIL 1000 or PHIL 1010). Some 2000 level courses have prerequisites which can be met either by a philosophy course or a course in another relevant discipline. The King's College Foundation Year satisfies the requirement of a previous philosophy course. Courses at the 3000 level and beyond usually have further requirements. See the course descriptions.

Degree Programs

All students planning to take a degree in philosophy are encouraged to talk to an undergraduate advisor; those planning to do an honours degree must consult with the honours advisor. Students who intend to specialize in philosophy should take an honours degree, the normal preparation for graduate study in philosophy.

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Note: In the statement of program requirements and prerequisites, "credit" means one full credit (six credit hours).

Not all courses are offered every year. Please consult the current timetable to determine if these courses are offered.

Detailed descriptions are available from the department website at philosophy.dal.ca and from the departmental office.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair of Department

MacIntosh, D.

Undergraduate Advisor

Scherkoske, G.

Honours Advisor

Scherkoske, G.

Professors Emeriti

Campbell, R. M., BA (Harvard), PhD (Cornell)

Sherwin, S. B., BA (York), PhD (Stanford), FRSC (University Research Chair)

Professors

Hymers, M., BSc, MA (Dalhousie), PhD (Alberta), Munro Professor of Metaphysics

MacIntosh, D., BA (Queen's), MA (Waterloo), PhD (Toronto)

Schotch, P. K., PhD (Waterloo), Munro Professor of Metaphysics (ret)

Associate Professors

Abramson, D., BA (Toronto), MSc, PhD (Indiana)

Borgerson, K., BA (Saskatchewan), MA, PhD (Toronto)

Meynell, L., BA Hons (York), MA (Calgary), PhD (Western)

Scherkoske, G., BA (Clark), MA (Simon Fraser), PhD (Cambridge)

Assistant Professors

Boyd, K., BA (Toronto), MA (Alberta), PhD (Toronto)
Dieleman, S., BA Hons (Waterloo), MA (Memorial), PhD (York)
Jeffers, C., BA (York), PhD (Northwestern)

Adjunct Professors

Baressi, J., BS, (Brown), MA (Southern California), MS, PhD (Wisconsin)
Brett, N. C., BA (N.H.), MA, PhD (Waterloo)
Burns, S. A. M., BA (Acadia), MA (Alberta), PhD (London)
Campbell, R. M., BA (Harvard), PhD (Cornell)
Fenton, A., BA Hons (Acadia), MA (Dalhousie), PhD (U of Calgary)
Gannett, L., BSc, MA, PhD (UWO)
Glazebrook, P., BA (Alta), MA, PhD (Toronto)
Kernohan, A., SB (MIT), MSc (Toronto), MA (Dalhousie), PhD (Toronto)
Maitzen, S. A., BA (NW), MA, PhD (Cornell)
McOuat, G., BA, MA, PhD (Toronto)
Schellenberg, J., BA, MA (Calgary), DPhil (Oxford)
Sherwin, S. B., BA (York), PhD (Stanford)
Vinci, T., BA (Toronto), MA, PhD (Pittsburgh)
Watkins, M., PhD (Ohio State)
Wein, S., PhD (Waterloo)

Cross Appointment

Baylis, F., BA (McGill), MA, PhD (Western), FRSC (Cross-appointed with the Faculty of Medicine)

BA with Honours in Philosophy

See BA Concentrated Honours under Degree Requirements.

Students interested in Honours Programs are encouraged to apply by the middle of their third year. Please contact Honours Advisor. The Honours application form is available online at <http://www.registrar.dal.ca/forms>.

Departmental Requirements

At least 60 credit hours in Philosophy of which at least 54 and no more than 66 are beyond the 1000 level

Select at least six credit hours from the following:

Philosophy (logic): PHIL 2130.03, PHIL 2660.03, PHIL 3140.03

Select at least six credit hours from the following:

Philosophy (history): PHIL 2350.03, PHIL 2610.03, PHIL 2620.03, PHIL 3110.03, PHIL 3635.03, PHIL 3640.03, PHIL 3650.03

- At least 24 credit hours at or above the 3000 level including three credit hours in epistemology (PHIL 3051.03) and three credit hours in ethics (PHIL 3105.03) and at least six credit hours at the 4000 level
- Honours Thesis

Honours Philosophy with Emphasis on Cognitive Science

Cognitive Science is the study of intelligence and cognition in human beings and machines (computers). The goal is to come to a fuller understanding of human

learning and intelligence and to develop devices that extend human abilities. Students may choose to do an Honours BA with an emphasis on cognitive science. The requirements for this degree are the same as above, except that three philosophy credits and two non-philosophy credits must be in cognitive science related courses. Those who complete the requirements will have the words "With Emphasis on Cognitive Science" on their transcript upon graduation. Contact the Philosophy Department for details.

BA with Combined Honours

See BA Combined Honours under Degree requirements.

Departmental Requirements

At least 30 and no more than 48 credit hours in Philosophy beyond the 1000 level, including 12 credit hours beyond the 2000 level. Since the requirements for the combined honours degree vary (depending on the program with which philosophy is combined) students must see an honours advisor. An honours thesis (or qualifying exam) in one of the two combined subjects is required.

Select at least three credit hours from the following:

Philosophy (logic): PHIL 2130.03, PHIL 2660.03

Select at least three credit hours from the following:

Philosophy (history): PHIL 2350.03, PHIL 2610.03, PHIL 2620.03, PHIL 3110.03, PHIL 3115.03, PHIL 3630.03, PHIL 3635.03, PHIL 3640.03, PHIL 3650.03

At least 12 credit hours at or above the 3000 level including three credit hours in epistemology (PHIL 3051.03) and three credit hours in ethics (PHIL 3105.03)

BA (120 credit hour) Major in Philosophy

See BA Major (120 credit hour) under Degree Requirements.

Departmental Requirements

At least 36 and no more than 54 credit hours in Philosophy beyond the 1000 level, including 18 credit hours beyond the 2000 level

Select at least three credit hours from the following:

Philosophy (logic): PHIL 2130.03, PHIL 2660.03,

Select at least six credit hours from the following:

Philosophy (history): PHIL 2350.03, PHIL 2610.03, PHIL 2620.03, PHIL 3110.03, PHIL 3115.03, PHIL 3630.03, PHIL 3635.03, PHIL 3640.03, PHIL 3650.03

At least 18 credit hours at or above the 3000 level including three credit hours in epistemology (PHIL 3051.03) and three credit hours in ethics (PHIL 3105.03 or PHIL 3100.06)

BA (120 credit hour) Double Major

See BA (120 credit hour) Double Major under Degree requirements.

Departmental Requirements

At least 30 and no more than 48 credit hours in Philosophy beyond the 1000 level, including 12 credit hours beyond the 2000 level

Select at least three credit hours from the following:

Philosophy (logic): PHIL 2130.03, PHIL 2660.03

Select at least six credit hours from the following:

Philosophy (history): PHIL 2350.03, PHIL 2610.03, PHIL 2620.03, PHIL 3110.03, PHIL 3115.03, PHIL 3630.03, PHIL 3635.03, PHIL 3640.03, PHIL 3650.03

At least 12 credit hours at or above the 3000 level including at least three credit hours in epistemology (PHIL 3051.03) or three credit hours in ethics (PHIL 3105.03)

BA (90 credit hour) Minor in Philosophy

See the Minor in Philosophy section of this Calendar

Minor in Applied Ethics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

At least 18 credit hours and no more than 27 credit hours in Philosophy beyond the 1000 level, including at least three credit hours beyond the 2000 level.

Select at least three credit hours from the following:

PHIL 2130.03 Logic: Deduction

PHIL 2085.03 Reasoning Skills

PHIL 2090.03 How to Win an Argument

PHIL 2660.03 Logic: Understanding Scientific Reasoning

Select:

PHIL 3105.03 Ethics

Select at least nine credit hours from the following:

PHIL 2805.03 Ethics & Health Care: Patient Care

PHIL 2810.03 Ethics & Health Care: Social Policy

PHIL 2081.03 Ethics in the World of Business

PHIL 2480.03 Environmental Ethics

PHIL 2485.03 Technology and the Environment

PHIL 2490.03 Social, Ethics and Health Care

PHIL 4801.03 Topics in Ethics and Health Care

PHIL 4125.03 Topics in Ethics

Minor in Bioethics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

At least 18 credit hours and no more than 27 credit hours in Philosophy beyond the 1000 level, including at least three credit hours beyond the 2000 level.

Select:
PHIL 3105.03 Ethics

Select at least three credit hours from the following:
PHIL 2130.03 Logic: Deduction
PHIL 2085.03 Reasoning Skills
PHIL 2090.03 How to Win an Argument
PHIL 2660.03 Logic: Understanding Scientific Reasoning

Select at least nine credit hours from the following:
PHIL 2805.03 Ethics & Health Care: Patient Care
PHIL 2810.03 Ethics & Health Care: Social Policy
PHIL 2720.03 Ethics and the Good Life
PHIL 4801.03 Topics in Ethics and Health Care

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

NOTE: Many courses are listed as being exclusionary to one another. This means that students may not take both courses so designated.

NOTE: Courses at the 4000 level are intended for advanced undergraduates with a strong background in philosophy. It is assumed that normally a student will have already taken relevant courses at the 3000-level. Courses with titles beginning "Topics in..." have no description, since the selection of topics and instructor is determined after the time of calendar preparation. These are seminar courses. Interested students should consult the department for up-to-date information.

Course Descriptions

PHIL 1000X/Y Introduction to Philosophy

CREDIT HOURS: 6

An introduction to a variety of philosophical problems, such as the relation of mind to body, freedom of the will, the foundation of morality, the existence of God, the nature of personal identity, and the possibility of knowledge based on reason and experience. Sections differ somewhat in approach and requirements. Consult the department to find out which ones especially suit you. This course does not satisfy the Faculty Writing Requirement.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

EXCLUSIONS: PHIL 1010X/Y.06, PHIL 2040.03 and PHIL 2050.03

PHIL 1010X/Y Introduction to Philosophy

CREDIT HOURS: 6

See description for PHIL 1000X/Y.06. This course does satisfy the Faculty Writing Requirement. Since PHIL 1010X/Y.06 consists of sections taught by different instructors, statements about its objectives and approach must be confined to generalizations. Detailed syllabi of all sections are available on our Web site at www.philosophy.dal.ca.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

EXCLUSIONS: PHIL 1000.06, PHIL 2040.03 and PHIL 2050.03

PHIL 1050 Ethics in Science

CREDIT HOURS: 3

An introduction to ethical questions that arise in the practice of science. The course will explore a variety of ethical questions associated with the study and practice of science. Students will learn about the nature of philosophical approaches to ethics and how to employ these insights to the tasks of recognizing and reflecting on ethical issues that arise when engaged in scientific research and practice. One section of this course is offered as part of the Dalhousie Integrated Science Program, that relate to the specific scientific topics studied within that program where it serves as one-half of the writing requirement for first year students and is available to DISP students only.

FORMAT: Lecture| Discussion
EXCLUSIONS: PHIL 2660.03

PHIL 2020 Legal Thinking

CREDIT HOURS: 3

Should the state prevent people from ending their lives to escape the pain of terminal disease? Shall we leave people free to make up their own minds regarding abortion? Should the law be used to control pornography? Is affirmative action demanded by (or inconsistent with) equality under the law? Legislation enacted in these and other controversial areas will dramatically affect how we live. It thus demands our critical attention. This course examines the role of practical reason in resolving such legal controversies. No previous study of philosophy is presupposed.

FORMAT: Lecture| Discussion

PHIL 2040 Introduction to Philosophy I and II

CREDIT HOURS: 3

See description for PHIL 1000X/Y.06. A student may take either half-year course, but not both. Neither course satisfies the faculty writing requirement.

NOTE: Course Details listed here also apply to PHIL 2050.

FORMAT: Lecture| Discussion

EXCLUSIONS: PHIL 1000X/Y.06 and PHIL 1010X/Y.06

PHIL 2050 Introduction to Philosophy II

CREDIT HOURS: 3

See PHIL 2040.

PHIL 2081 Ethics in the World of Business

CREDIT HOURS: 3

Business practices are sometimes in accord with moral principles, sometimes at odds with them. By considering cases that illustrate business practices and dilemmas this course studies the application of ethical principles to the world of business in national and international contexts.

FORMAT: Lecture| Discussion

PHIL 2085 Reasoning Skills

CREDIT HOURS: 3

Thinking clearly and effectively is something that people can learn to do. Understanding some basic concepts as well as mastering certain practical techniques can help in this. In this course you will learn about classifying concepts and how to define them; about the nature of arguments and the way to bring their structure to the surface by diagramming techniques; about some of the classic fallacies people commit in their reasoning; about some of the basic concepts and procedures of logic. This course does not satisfy the logic requirement for the major or honours in Philosophy.

FORMAT: Lecture

EXCLUSIONS: PHIL 2090.03

PHIL 2090 How to Win an Argument

CREDIT HOURS: 3

This course is devoted to developing the practical skills involved in evaluating reasoning and producing convincing arguments. Note: this course does not count towards satisfying the logic requirement for the major or honours program.

EXCLUSIONS: PHIL 1080.03

PHIL 2130 Logic: Deduction

CREDIT HOURS: 3

A systematic introduction to the operations of formal deductive logic, with considerable attention devoted to the relation between artificial and natural language and to the philosophical problems that arise from the study of reasoning. No previous study of logic is presupposed.

FORMAT: Lecture| Discussion

PHIL 2160 Philosophical Issues of Feminism

CREDIT HOURS: 3

An exploration and examination of some of the concepts, issues, and arguments underlying feminist claims and perspectives. Such topics as pornography, rape, mothering, the nature of gender, and feminism's responses to racism will be considered.

FORMAT: Lecture| Discussion

CROSS-LISTING: GWST 2500.03

PHIL 2165 Philosophy and the Black Experience

CREDIT HOURS: 3

This is an introduction to Africana philosophy, that is, philosophy by and about people of African descent. It will begin with a brief look at philosophical thought in precolonial Africa and then turn to consider philosophical thought produced in the wake of slavery and colonization.

FORMAT: Lecture

PREREQUISITE: Successful completion of a 1st year writing requirement course

ASSESSMENT METHOD: 4 writing assignments; a participation grade

PHIL 2170 Philosophy of Sex and Love

CREDIT HOURS: 3

Philosophers have long been interested in the nature of intimate human relations. This course offers an examination of key concepts and questions related to love and sexual desire. Topics will include the nature of desire, of romantic love, and of sexual orientation. We will take up questions in sexual ethics and politics, and look at selected concepts such as trust and betrayal, sexual objectification, and perversion.

FORMAT: Lecture| Discussion

PHIL 2205 Philosophy of Religion

CREDIT HOURS: 3

Monotheistic religions (such as Judaism, Christianity, and Islam) assert the existence of a single God. This course addresses philosophical problems posed by traditional monotheism. Why care whether monotheism is true? Why care whether belief in God is rational? Does the rationality of belief in God depend on the evidence for and against God's existence? What is the best evidence for and against? What bearing does God have on human morality?

FORMAT: Lecture| Discussion

CROSS-LISTING: RELS 2205.03

PHIL 2210 Crisis and Consent: Foundations of Political Thought: 1651-1778

CREDIT HOURS: 3

See course description for POLI 2410.03, in the Political Science section of this Calendar.

FORMAT: Lecture| Tutorial

PREREQUISITE: An introductory course in Philosophy or Political Science

CROSS-LISTING: POLI 2410.03

EXCLUSIONS: POLI 2400X/Y.06

PHIL 2220 Revolution and Rationality: Foundations of Political Thought: 1789-1900

CREDIT HOURS: 3

See course description for POLI 2420.03, in the Political Science section of this Calendar.

FORMAT: Lecture| Tutorial

PREREQUISITE: An introductory course in Philosophy or Political Science

CROSS-LISTING: POLI 2420.03

EXCLUSIONS: POLI 2270X/Y.06, POLI 2400X/Y.06

PHIL 2260 Philosophy of Art

CREDIT HOURS: 3

Examines questions such as: What is art? What is its place in human life? Can judgments of artistic value be rational and objective? Can fear of fictional objects be real fear? Can music be a language?

FORMAT: Lecture| Discussion

PHIL 2350 History of Philosophy: Ancient

CREDIT HOURS: 3

The beginnings of Western philosophy are studied in the writings of the pre-Socratics, Plato, and Aristotle.

FORMAT: Lecture| Discussion

PHIL 2361 Ancient Philosophy: from Thales to Plato

CREDIT HOURS: 3

See course descriptions for CLAS 2361.03 in the Classics section of this calendar.

PHIL 2362 Ancient Philosophy: from Aristotle to Plotinus

CREDIT HOURS: 3

See course description for CLAS 2362.03 in the Classics section of this calendar.

PHIL 2365 Plato and the Case of Socrates: Philosophy on Trial

CREDIT HOURS: 3

Socrates (469-399 BCE) never wrote a single word, but posed such threat to Athens that a jury put him to death for the alleged ethical corruption and impiety of his thought. This course will explore the revolutionary life and thought of Socrates, and consider whether the jury's decision against him was justified.

FORMAT: Lecture

CROSS-LISTING: RELS 2365, CLAS 2365

PHIL 2380X/Y Medieval Philosophy

CREDIT HOURS: 6

See course description for CLAS 3380.06, in the Classics section of this calendar.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PHIL 2381 Medieval Philosophy from Augustine to Anselm

CREDIT HOURS: 3

A study of texts, primarily within the Latin tradition from Augustine to Anselm, but including selected writings of the Pseudo-Dionysius. Three works will normally be read in their entirety: Boethius, *Consolation of Philosophy*; Dionysius, *Mystical Theology*; Anselm, *Proslogion*. The main interest is the use and transformation of the philosophy of Plato, Aristotle, the Stoics and the Neoplatonists in this development.

FORMAT: Lecture

CROSS-LISTING: CLAS 3381.03

EXCLUSIONS: CLAS 3380X/Y.06; PHIL 2380X/Y.06

PHIL 2382 Medieval Philosophy from Arabic and Jewish thinkers to Aquinas

CREDIT HOURS: 3

A study of texts which reflect the transformation of the ancient philosophical tradition within the works of medieval Arabic and Jewish thinkers and of the Latin Christians to whom they mediated ancient philosophy. Selections from al-Farabi, Moses Maimonides, Averroes, and Aquinas, among others will be read. Bonaventure's *The Mind's Journey into God* will be read in its entirety.

PREREQUISITE: CLAS 3381 or PHIL 2381 or permission of the instructor

CROSS-LISTING: CLAS 3382.03

EXCLUSIONS: CLAS 3380X/Y.06, PHIL 2380X/Y.06

PHIL 2450 Democracy, Difference and Citizenship: A Survey of Political Philosophy

CREDIT HOURS: 3

This is a survey course in Political Philosophy. This course will give engaged participants a foundation for thinking critically about what these key political concepts mean and why people have long thought these ideals behind these concepts are important. This course aims to show students an analytic and normative survey of the topics; it is not intended either as a historical survey or as an intervention in political science (though it would certainly complement such things)

FORMAT: Lecture

PREREQUISITE: Successful completion of a 1st year writing requirement course

CROSS-LISTING: POLI 2450.03

PHIL 2475 Justice in Global Perspective

CREDIT HOURS: 3

In this course, we will explore answers to the central question in philosophical ethics “How should we live our lives and interact with others?” in the context of the international community or “Global Village” in which we now live. The course will involve close concentration on analyses of liberal and non-liberal theorists from around the world on the subjects of: moral rights, the nature of justice, social welfare, human diversity and equality, and the nature of social responsibility. Specific topics may include: the impact of globalization on understanding of moral rights (human rights, labour rights, language rights, etc.), third world responses to western conceptualizations of rights, new conceptions of justice and social transformation including conceptions of restorative justice, conceptualizations of race and ethnicity and sources of personal and communal identity, the nature and importance of autonomy, the importance of different cultural constructions of gender and the problem of sexual violence in a global perspective, and frameworks for understanding shared agency and shared responsibility for poverty and environmental degradation.

FORMAT: Lecture| Discussion

PHIL 2480 Environmental Ethics

CREDIT HOURS: 3

This course examines humanity’s relation to nature from a philosophical perspective. Of particular importance will be the moral or ethical obligations which humanity may have towards the natural environment. Attention will be given to the historical sources of the attitudes and values which have given rise to current ecological problems in the environment, as well as to the question of how to remediate our relationship to nature. We will read from environmental holists, biocentrists, ecofeminists, deep ecologists, and others, and discuss issues concerning animal rights, environmental justice, and activism.

FORMAT: Lecture| Discussion

PHIL 2485 Technology and the Environment

CREDIT HOURS: 3

What is technology and what role does it play in current environmental problems? Can technologies help us find solutions to environmental crises, or are those problems themselves a direct result of seeing the world from a technological point of view? In this course, we will assess the environmental impact of particular technologies (e.g., fossil fuel technologies, pharmaceutical and information technologies) and discuss sustainable alternatives and appropriate technologies in developing as well as developed nations.

FORMAT: Lecture| Discussion

CROSS-LISTING: INTD 2485.03

PHIL 2490 Social, Ethical and Professional Issues in Computer Science

CREDIT HOURS: 3

Computers can enable people to do things that our present laws and policies were not formulated to cover (hacking, sharing files on the internet, and companies sharing data). In such cases, people need to be able to decide for themselves the best course of action, and defend such decisions. This course aims at developing the ethical reasoning skills and sensitivities that computer professionals will need to make good decisions and to justify them. The course includes a general introduction to ethical theories and their use in making and justifying decisions. We then consider various issues and case studies, illustrating the kinds of problems that can arise from the use and misuse of computers and technology: the responsibilities of computing professionals; ethics on the internet (hacking, computer crime, netiquette); privacy and information; intellectual property; social and political issues (digital divide, computers and work, the internet as a democratic technology).

FORMAT: Lecture| Discussion

PREREQUISITE: No previous knowledge of computing or of philosophy is assumed. Some familiarity with computers is an advantage.

CROSS-LISTING: CSCI 3101.03

EXCLUSIONS: COMP 3090.03

PHIL 2560 Minds and Machines: Introduction to Cognitive Science

CREDIT HOURS: 3

Could we build a robot (or program a computer) that has a mind? What is the relationship between the mind, brain, body and the world? How can technology assist cognition? In what ways are human cognitive systems similar to and different from animal cognitive systems? The course takes a philosophical approach, introducing assumptions and issues arising in research at the intersections of artificial intelligence, robotics, neuroscience, psychology, linguistics, animal cognition, evolutionary biology, and philosophy. This is a useful complement to a major in any Cognitive Science discipline, as well as a fascinating investigation of cognition for anyone who has wondered about what the human mind is and how it works.

FORMAT: Lecture| Discussion

EXCLUSIONS: PHIL 3460

PHIL 2610 History of Philosophy: The Rationalists

CREDIT HOURS: 3

The philosophy of Descartes, Spinoza, and Leibniz.

FORMAT: Lecture| Discussion

PREREQUISITE: One previous credit in philosophy or permission of the instructor

PHIL 2620 History of Philosophy: The Empiricists

CREDIT HOURS: 3

The philosophy of Locke, Berkeley, and Hume, with an introduction to Kant.

FORMAT: Lecture| Discussion

PREREQUISITE: One previous credit in philosophy or permission of the instructor

PHIL 2650X/Y Modern German Philosophy

CREDIT HOURS: 6

This course provides a survey of the German philosophical tradition from the enlightenment to the present. Students will gain a broad overview of the German intellectual history through focused readings of the theoretical texts.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GERM 2650.06

PHIL 2651 Modern German Philosophy I

CREDIT HOURS: 3

This course looks at the history of German philosophy from the Enlightenment to the End of German Idealism. Part one examines the early history of German philosophy, focusing on German Idealism. Students will gain a broad overview of German intellectual history.

FORMAT: Lecture| Seminar

CROSS-LISTING: GERM 2651.03

EXCLUSIONS: GERM/PHIL 2650X/Y.06

PHIL 2652 Modern German Philosophy II

CREDIT HOURS: 3

This course looks at the history of German philosophy from German Idealism until today. In particular, the focus will be on the radical philosophical movements of the 19th and 20th centuries. Students will gain a broad overview of German intellectual history.

FORMAT: Lecture| Seminar

COREQUISITE: GERM 2652.03

CROSS-LISTING: GERM 2652.03

EXCLUSIONS: GERM/PHIL 2650X/Y.06

PHIL 2660X/Y Logic: Understanding Scientific Reasoning

CREDIT HOURS: 3

The course is a general philosophical introduction to methods of evaluating hypotheses, experimental tests, and reasoning in science with applications to everyday reasoning as well. The course is divided into discussion of three kinds of evaluation: theoretical hypotheses, statistical and causal hypotheses, and decisions. No background in science or philosophy is presupposed for this course.

FORMAT: Lecture| Discussion

EXCLUSIONS: PHIL 1050.03

PHIL 2680 Ethics in Science

CREDIT HOURS: 3

An introduction to ethical questions that arise in the practice of science. The class will explore a variety of ethical questions associated with the study and practice of science. Students will learn about the nature of philosophical approaches to ethics and how to employ these insights to the tasks of recognizing and reflecting on ethical issues that arise when engaged in scientific research and practice.

EXCLUSIONS: PHIL 1050.03

PHIL 2710 Existentialism

CREDIT HOURS: 3

The existentialists focus on what is individual and unique about human lives. They emphasize the sense in which we choose projects and lives and even deaths for ourselves and find self-deception in our ways of avoiding choices. Some existentialists argue that whatever meaning our lives have must be invented. Some contend that life is absurd. This course is an introduction to the themes of existentialism through the study of the philosophy and fiction of Dostoevsky, Ortega y Gasset, Sartre, Camus, and Simone De Beauvoir..

FORMAT: Lecture| Discussion

PHIL 2720 The Good Life: Well-Being, Meaning & Happiness

CREDIT HOURS: 3

This course is a survey of various ethical views in the history of Western Philosophy, concentrating on the issues facing people who are concerned with what human beings should aim for and do if they are to lead lives that are fulfilling.

FORMAT: Lecture| Discussion

PHIL 2805 Ethics & Health Care: Patient Care

CREDIT HOURS: 3

Should physicians be allowed to lie to patients? When, if ever, should health professionals be permitted to override decisions made by patients? Should medical decisions made by children be respected? Should health professionals tell patients about "near misses"? Should people have living wills? Should physicians be permitted to assist patients in committing suicide? In this class we will explore questions related to the health professional-patient relationship through a combination of lecture and discussions.

FORMAT: Lecture| Discussion

PHIL 2810 Ethics & Health Care: Social Policy

CREDIT HOURS: 3

Do all people have a right to health care? How should we make allocation decisions about scarce health care resources? Should Canadians be allowed to buy organs? Should health care professionals be allowed to refuse to provide a referral for abortion? What are the ethical implications of prenatal genetic testing? Should health care workers be required to receive an annual influenza vaccination? What types of research on humans should be prohibited? In this class we will explore questions of this nature through a combination of lecture and discussion.

FORMAT: Lecture| Discussion

PHIL 3051 Epistemology

CREDIT HOURS: 3

A study of fundamental issues in the contemporary theory of knowledge. The course examines skepticism and investigates the nature of knowledge, belief, meaning, evidence, and truth. Questions are raised about perception and memory and their relation to knowledge.

FORMAT: Lecture| Discussion

PREREQUISITE: Two of PHIL 2610.03, PHIL 2620.03, 2130.03 or permission of the instructor
CROSS-LISTING: PHIL 5051.03

PHIL 3105 Ethics

CREDIT HOURS: 3

A systematic study of the foundation of morality, including readings from Kant, Foundation of the Metaphysics of Morals and Hume, A Treatise of Human Nature.
FORMAT: Lecture| Discussion
PREREQUISITE: Two previous credits in philosophy or permission of the instructor
CROSS-LISTING: PHIL 5105.03

PHIL 3106 Animal Ethics

CREDIT HOURS: 3

This course will survey the main ethical approaches to the human treatment of non-human animals. It will apply these approaches to human interactions with food animals, companion animals, laboratory animals, zoo animals, and wild animals. The course will look at the capacities of various species of animals for sentience, emotion, conation, cognition, self-consciousness and cooperation as a way of giving appropriate ethical consideration to the interests of different types of animals.
FORMAT: Lecture
RESTRICTIONS: Third year or above

PHIL 3110 History of Ethics: Plato to Epicurus

CREDIT HOURS: 3

In this course we will carefully read a number of seminal works in the history of Western Moral Philosophy covering Plato, Aristotle, Stoicism and Epicureanism.
FORMAT: Seminar| Discussion
PREREQUISITE: Two previous credits in philosophy
CROSS-LISTING: PHIL 5110.03

PHIL 3115 History of Ethics: Kant's Moral Theory

CREDIT HOURS: 3

In this course we will look closely at one of the most seminal thinkers in the history of Western Moral Philosophy. The course will explore Kant's own writing, some of his most important predecessors, and contemporary commentators. The course will aim to develop a plausible understanding of Kantian ethics - including both its normative and meta-ethical commitments. A primary concern will be the relevance of Kant's views for contemporary moral reflection.
FORMAT: Seminar| Discussion
PREREQUISITE: Two previous credits in philosophy
CROSS-LISTING: PHIL 5111.03

PHIL 3140 Logic: Logical Theory I

CREDIT HOURS: 3

An introduction to non-classical logics from a formal perspective.
FORMAT: Lecture| Discussion
PREREQUISITE: PHIL 2130.03
CROSS-LISTING: PHIL 5140.03

PHIL 3170 Contemporary Feminist Theories

CREDIT HOURS: 3

Contemporary feminism is not a single theory but comprises multiple theoretical perspectives, reflecting both a diversity in women's experience of subordination and a diversity of interests and approaches. This course aims to present some of the richness and variety in feminist theory while offering students the opportunity for sustained critical engagement with influential feminist thinkers.
FORMAT: Seminar
PREREQUISITE: One previous credit in philosophy or in Gender and Women's Studies or permission of the instructor.
CROSS-LISTING: GWST 3500.03/5170.03, PHIL 5170

PHIL 3211 Philosophy of Law

CREDIT HOURS: 3

Is coercion central to law? How are law and morality related? What justification can be given for punishment? What is the appropriate scope of individual liberty? These and other issues relating to the analysis and evaluation of law will be considered. The course will examine the competing claims of the Positivist, Realist, and Natural Law accounts of law before turning to some normative issues concerning the justification of legal practice.
FORMAT: Lecture| Discussion
PREREQUISITE: Two previous credits in philosophy, permission of the instructor
CROSS-LISTING: PHIL 5211.03

PHIL 3300 Philosophy of Language

CREDIT HOURS: 3

What does it mean to say that the elements of language have meaning?
FORMAT: Lecture| Discussion
PREREQUISITE: Two previous credits in philosophy including one half credit in logic class, half- or full-year
CROSS-LISTING: PHIL 5300.03

PHIL 3361 Ethics, Justice, and Economics

CREDIT HOURS: 3

Assumptions of Neoclassical economic theory are critically examined, with a focus on the ethical and distributional consequences of using markets as an allocation mechanism. We discuss the major conceptions of economic justice, including utilitarianism and social choice theory, Rawlsian egalitarianism, Nozickian libertarianism, Sen's capabilities approach, and equality of opportunity.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03, ECON 2201.03
CROSS-LISTING: ECON 3360.03, PHIL 5361.03

PHIL 3420 Philosophy of Biology

CREDIT HOURS: 3

This course provides an up-to-date systematic examination of central issues in the philosophy of biology. Topics typically include: How far can the Darwinian paradigm be taken to explain adaptive complexity? Is the new emphasis on developmental theory likely to revolutionize evolutionary theory? What are the most fundamental units of selection? Can the concept of biological function be understood without attributing purpose to nature? Why is the concept of species so elusive? Is there a human nature? Is genuine altruism possible given the forces of selection? Is there progress in evolution? How should clashes between faith and reason over the nature of our evolution be resolved?

FORMAT: Lecture| Discussion

PREREQUISITE: One previous credit in philosophy or biology

CROSS-LISTING: BIOL 3580.03, PHIL 5420.03

PHIL 3434 The Ancient Origins of Political Thought: From Homer to Aristotle

CREDIT HOURS: 3

This class will study the very beginnings of political thought with Greek poets, historians and educators, culminating in a careful investigation of the political writings of Plato and Aristotle. We will investigate philosophical questions about the origin of the state, the purpose of political community, the different kinds of regimes or constitutions, the common good, individual freedoms, revolution, war, wealth, poverty, and slavery.

FORMAT: Lecture| Tutorial

CROSS-LISTING: POLI 3434.03, CLAS 3434.03

PHIL 3445 Philosophy of Mind: The Mind-Body Problem

CREDIT HOURS: 3

This course will critically examine philosophical and scientific articles, and possibly short works of fiction, which explore various theories, problems and arguments regarding the status of minds in the physical world and the relationships between mind, body and world. We will explore and discuss controversies regarding the thesis that the mind is (nothing but?) the brain, and issues such as the theoretical foundations of artificial intelligence, the problem of subjectivity and consciousness, "naturalized" intentionality (how thoughts—if they are physical things or processes— can have the property of being about other things), and animal cognition.

FORMAT: Lecture| Discussion

COREQUISITE: none

PREREQUISITE: Two previous credits in philosophy

CROSS-LISTING: PHIL 5445.03

EXCLUSIONS: PHIL 3440.03

PHIL 3450 Philosophy of Emotions

CREDIT HOURS: 3

We will concentrate on the resurgence of philosophical interest in the emotions over the last twenty years. Although it is obvious that much human action is emotionally driven, traditionally many philosophers have expressed skepticism about the value of emotions to rational and ethical conduct. Recently, philosophers such as Martha Nussbaum, Amelie Rorty and Ronald De Sousa have argued powerfully that rationality requires emotions. Other philosophers have argued that we need a renewed assessment of the epistemic importance of emotion in revealing power and value. Topics will include emotional rationality; emotion and value; first person authority; cognitive, social constructivist and psycho-evolutionary approaches; emotion and feminist epistemology; emotion, power and racial construction.

FORMAT: Lecture| Discussion

PREREQUISITE: At least one previous credit in philosophy including one half credit above the 1000 level.

CROSS-LISTING: PHIL 5450

PHIL 3470 Human Rights: Philosophical Issues

CREDIT HOURS: 3

See course description for POLI 3403.03 in the Political Science section of this calendar.

PHIL 3475 Democratic Theory

CREDIT HOURS: 3

See course description for POLI 3475.03 in the Political Science section of this calendar.

PHIL 3476 Liberalism and Global Justice

CREDIT HOURS: 3

This is a course in normative political theory. We will critically examine some recent normative political theory, and then examine the prospects and perils of attempts by recent liberal theory to articulate a principled vision of global justice. We will consider Rawls' original bounded theory of justice and examine some challenges it faces from both cosmopolitan theories of justice and proponents of nationalism. Next we'll consider rival political conceptions of liberal international justice, and Rawls' response in the form of his recent *The Law of Peoples*. Concluding, we will examine specific issues of applied political justice (namely, human rights and immigration) as well as issues of economic and social justice and poverty.

FORMAT: Lecture| Discussion

PREREQUISITE: 2 courses in Philosophy or Political Science or permission of the instructor

CROSS-LISTING: POLI 3476.03, POLI 5476.03, INTD 'Approved List,' PHIL 5476.03

PHIL 3520 Philosophy of Social Science

CREDIT HOURS: 3

Can people from different cultures understand each other? What is to be a member of a culture? Are societies best thought of as collections of individuals, or are individuals constituted by societies? In what sense are the social sciences "sciences"? Are societies describable by explanatory laws? What counts as an explanation of human behaviour: This course explores these and related questions through a reading of classic and contemporary philosophers and social theorists.

PREREQUISITE: two full credits in philosophy

CROSS-LISTING: POLI 3496.03, PHIL 5520.03

PHIL 3530 Freedom, Action, and Responsibility

CREDIT HOURS: 3

An investigation of the nature of action seeking criteria for individuating, describing, and explaining actions. Topics may include the roles of volitions, intentions, motives, and reasons in actions; responsibility for actions and the concept of free actions.

FORMAT: Lecture| Discussion

PREREQUISITE: Two previous credits in philosophy

CROSS-LISTING: PHIL 5530.03

PHIL 3630 History of Philosophy: Kant

CREDIT HOURS: 3

Special attention will be paid to Kant's metaphysics.

FORMAT: Lecture| Discussion

PREREQUISITE: PHIL 2610.03 or PHIL 2620.03 or permission of the instructor

CROSS-LISTING: PHIL 5630.03

PHIL 3635 History of Philosophy: 19th-Century Philosophy

CREDIT HOURS: 3

This course will study major figures in 19th-century philosophy between Kant and Russell: Fichte, Hegel, Schopenhauer, Marx, Kierkegaard, Mill, Nietzsche, James and Bradley. Attention will also be paid to some important figures in related arts and sciences (e.g., Beethoven, Wagner, Ibsen, Feuerbach, Darwin, Freud, Wollstonecraft, Frege). We shall trace the main lines of development in epistemology and metaphysics as well as in ethics and political philosophy.

FORMAT: Lecture| Discussion

PREREQUISITE: PHIL 2610.03 or 2620.03

CROSS-LISTING: PHIL 5635.03

PHIL 3640 History of Philosophy: Twentieth-Century Philosophy

CREDIT HOURS: 3

The Twentieth Century has been a period of revolutionary change in Anglophone philosophy. This course surveys the most influential figures, including Moore, Austin, Ayer, Wittgenstein, and Quine.

FORMAT: Lecture| Discussion

PREREQUISITE: One previous credit in the history of philosophy or permission of the instructor

CROSS-LISTING: PHIL 5640.03

PHIL 3660 Post-Modern Philosophy

CREDIT HOURS: 3

Modern Philosophy is a philosophical perspective in which individuals and their conscious thoughts are paramount. Post-modern philosophy rejects this perspective, replacing it with one in which language and society are paramount. We shall study this perspective in the writings of post-Wittgenstein philosophers like Rorty in the English-speaking world as well as those like Derrida, Irigaray, and Habermas on the Continent. (This course is designed to complement PHIL 3650.03 and 3640.03 but can be taken independently).

FORMAT: Lecture| Discussion

PREREQUISITE: Two previous credits in philosophy (including, ideally, PHIL 2610 or PHIL 2620)

CROSS-LISTING: PHIL 5660.03

PHIL 3670 Philosophy of Science

CREDIT HOURS: 3

This course offers an advanced survey of issues in the philosophy of science. Topics typically include: the demarcation between science and pseudo-science; scientific method and explanation; metaphysical assumptions of science and the role of values in scientific method and practice. Particular attention will be paid to key episodes in 20th Century philosophy of science. No scientific background is presupposed

FORMAT: Lecture| Discussion

PREREQUISITE: At least two previous credits in philosophy, including one half- or full-year logic course such as PHIL 2660.03 or permission of instructor

CROSS-LISTING: PHIL 5670.03

PHIL 3851 Metaphysics

CREDIT HOURS: 3

A study of topics such as the nature of substance and change, body and mind, cause and effect, and the concept of existence.

FORMAT: Lecture| Discussion

PREREQUISITE: Two previous credits in philosophy including PHIL 1000.06 or PHIL 1010.06 or PHIL 2610.03 or PHIL 2620.03

CROSS-LISTING: PHIL 5851.03

PHIL 4055 Topics in Epistemology

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in epistemology and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5055.03

PHIL 4070 Topics in Philosophy of Psychology

CREDIT HOURS: 3

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5070.03

PHIL 4115 Topics in Ethics I

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in ethical theory and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5115.03

PHIL 4120 Theory of Rational Decision

CREDIT HOURS: 3

A study of foundational problems in contemporary theory of rational decision and its philosophical applications, drawing on work by philosophers, psychologists, economists and mathematicians.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5120.03

PHIL 4125 Topics in Ethics II

CREDIT HOURS: 3

CROSS-LISTING: PHIL 5125.03

PHIL 4150 Contemporary Metaethics

CREDIT HOURS: 3

This seminar course surveys contemporary work in metaethics - the branch of moral philosophy concerned with the metaphysical, epistemological, semantic and psychological commitments of the moral discourse and practice.

FORMAT: Seminar

PREREQUISITE: 2 courses in Philosophy

CROSS-LISTING: PHIL 5150.03

PHIL 4190 Topics in the History of Philosophy I: Wittgenstein

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in the History of Philosophy and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5190.03

PHIL 4191 Topics in the History of Philosophy II

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in Modern Philosophy (e.g., the work of Descartes or Spinoza) and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5191.03

PHIL 4192 Topics in the History of Philosophy III

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in Modern Philosophy (e.g., the work of Locke or Hume) and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5192.03

PHIL 4200 Topics in Normative Theory

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in Normative Theory and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5200.03

PHIL 4220 Contemporary Philosophical Issues

CREDIT HOURS: 3

Intensive study of a few topics which are currently being debated and may fall outside of or cut across standard classification of areas of interest. Examples are: evolution and value, philosophical accounts of "race" and culture, artificial intelligence, probability, theories of causation, supervenience.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5220.03

PHIL 4470 Contemporary Liberalism and Democracy

CREDIT HOURS: 3

Liberalism takes a variety of forms and includes many topics including the rule of law, limited government, the free exchange of goods, entitlement to property, the self,

and individual rights. Its philosophical and political assumptions provide the intellectual context within which its account of the individual, its vision of the community and its preferred allocation of resources will be assessed.

FORMAT: Seminar

PREREQUISITE: Two full credits in philosophy or political science or permission of the instructor

CROSS-LISTING: POLI 4479.03/5479.03, ECON 4446.03/5446.03, PHIL 5470.03

PHIL 4500 Topics in Feminist Philosophy

CREDIT HOURS: 3

In this course, we shall explore some of the current research in a focused area of feminist philosophy. Previous topics have included feminist ethics, feminist epistemology, post modern feminism, the feminist sexuality debates and ecofeminism.

FORMAT: Seminar

PREREQUISITE: Strong background in philosophy or feminist theory (normally including at least one previous course in feminist philosophy or instructor's consent)

CROSS-LISTING: GWST 4500.03/5500.03, PHIL 5500.03

PHIL 4510 Topics in the Philosophy of Language

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in the Philosophy of Language and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5510.03

PHIL 4680 Topics in the Philosophy of Science

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in the Philosophy of Science and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5680.03

PHIL 4700 Philosophy of Race

CREDIT HOURS: 3

This course explores the metaphysics and ethics of race. Topics covered include: what "race" means; how old the concept is; whether races exist; what kinds of thing races are; whether it is valuable to acknowledge one's racial identity; and what counts as racism.

PREREQUISITE: At least two previous credits in Philosophy or permission of instructor

CROSS-LISTING: PHIL 5700.03

PHIL 4801 Topics in Ethics and Health Care

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in Ethics and Health Care and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: PHIL 2800.06 or 2805.03 AND 2810.03 or permission of the instructor

CROSS-LISTING: PHIL 5801.03, BIOT 5801.03

PHIL 4855 Topics in Metaphysics

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in Metaphysics and investigate it in detail. When the course is offered, the topic is assigned by the Department at the end of the preceding academic year and is then posted at the Department and in the Faculty's timetable on the Web.

FORMAT: Seminar

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

CROSS-LISTING: PHIL 5855.03

PHIL 4940 Directed Reading

CREDIT HOURS: 3

Consult department for details. In special cases, courses to suit individual interests can be developed jointly by a student and an instructor.

NOTE: Course Details listed here also apply to PHIL 4960/PHIL 4970/PHIL 4980/PHIL 4990.

NOTES: Students taking PHIL 4970X/Y.06 OR 4990X/Y.06 must register in both X and Y in consecutive terms; credit will only be given if both are completed consecutively.

PREREQUISITE: At least two previous credits in philosophy or permission of the instructor

RESTRICTIONS: Students may only register for this class with the written permission of the faculty member

PHIL 4960 Directed Readings

CREDIT HOURS: 3

See PHIL 4940.

PHIL 4970X/Y Directed Reading

CREDIT HOURS: 6

See PHIL 4940.

PHIL 4980 Directed Readings

CREDIT HOURS: 3

See PHIL 4940.

PHIL 4990X/Y Directed Reading

CREDIT HOURS: 6

See PHIL 4940.

Political Science

Location:

Building/Room: Henry Hicks Academic Administration Building

Street Address 1: 6299 South Street

Street Address 2: Room 301

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2396

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What is Political Science?

Politics has been described as "Who Gets What, When, How, Why" in society. The study of politics, or Political Science, is one of the oldest academic disciplines. In Ancient Greece political philosophers concerned themselves with creating a good society, and balancing justice with order. Today Political Scientists still study these matters, but the discipline has grown to encompass many aspects of government, such as parliaments, electoral processes and constitutions; or external relations, including issues of war, peace and poverty.

Political Science is important to society because, in an age of complex government, an educated citizenry is the best safeguard for democracy. Political Science is valuable for individuals who want to know more about the values, laws, institutions and policy mechanisms that govern their lives in society, and as well, the differences between their system of government and those in other countries. Beyond this, Political Science is an especially useful preparation for students who wish to pursue careers in teaching, law, public service or business.

Dalhousie University's approach to Political Science is a blend of traditional and modern analysis. The Department offers work in classical political philosophers; and most courses emphasize government structure and policy making, including domestic public administration and foreign policy. Other courses deal with political behaviour such as public opinion or interest group activity. Courses in modern research methods, including quantitative analysis, are also offered.

The admission requirements for Political Science are listed under the Faculty of Arts and Social Sciences. There are no additional requirements for Political Science beyond those of the Faculty.

Students taking an Honours Degree in Political Science or majoring in Political Science are encouraged to seek advice from the Undergraduate Advisor, in developing a program of studies.

For General Interest

Students who have not yet decided on a major, or are looking for an elective in Political Science, should take one of the Introductory courses. These may be taken over a single term or over the full year.

PLEASE NOTE: Students who complete the King's Foundation Year program with a grade of "B-" or higher will not be required to complete an Introductory course in Political Science.

Students should take no more than the equivalent of six credit hours in 1000 level Political Science courses.

Degree Programs

Students concentrating in Political Science may take a 90 credit hour minor program, 120 credit hour major, or 120 credit hour honours program. The degree requirements are spelled out in University and Faculty regulations, and in departmental regulations outlined below. The specific courses to be taken in each individual program are chosen in consultation with the undergraduate advisor.

A student's program may consist of a general selection of courses from the Department's offerings or may emphasize one of the sub-fields of Political Science, as set out below.

Students are encouraged to develop distinctive programs tailored to their own particular interests and circumstances. They should, however, seek advice early in their program to ensure that they are consistent with University regulations.

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

In addition to introductory courses, Political Science courses are divided into four subfields:

- Canadian Government and Politics
- Comparative Government and Politics
- Political Theory and Methodology
- International Politics and Foreign Policy

Full course descriptions

Introductory

- POLI 1050.03: Ideas, Politics, People
- POLI 1055.03: Governments and Democracy
- POLI 1100 X/Y.06: Political Worlds: An Introduction to Government and Politics
- POLI 1103 X/Y.06: Intro to Government and Politics

Canadian Government and Politics

- POLI 2210.03: Unity and Diversity: The Dynamics of Canadian Federalism
- POLI 2220.03: Political Power and Partisan Politics: The Structures of Canadian Parliamentary Government
- POLI 2230.03: Local Government
- POLI 3206.03: Constitutional Issues in Canadian Politics
- POLI 3208.03: Canadian Provincial Policies
- POLI 3220.03: Intergovernmental Relations
- POLI 3224.03: Canadian Political Parties
- POLI 3228.03: Pressure Politics in Canada
- POLI 3231.03: The Politics and Governance of Canadian Cities
- POLI 3232.03: Local Government in Canada
- POLI 3235.03: The Politics of Regionalism
- POLI 3250.03: Canadian Public Admin
- POLI 3405.03: Canadian Political Thought
- POLI 4204X/Y.06: Advanced Seminar in Canadian Politics
- POLI 4207.03: Canadian Politics: Themes and Theories
- POLI 4228.03: Pressure Politics in Canada: Opportunities and Obstacles
- POLI 4240.03: Policy Formulation in Canada
- POLI 4241.03: Introduction to Policy Analysis
- POLI 4242.03: Politics of Reason, Passion, and Biology
- POLI 4250.03: Canadian Public Administration
- POLI 4260.03: The Politics of Health Care

Comparative Government and Politics

- POLI 2300X/Y.06: Comparative Politics
- POLI 2350.03: Governance and Globalization
- POLI 3304.03: Comparative Federalism
- POLI 3311.03: Sport and Politics
- POLI 3315.03: African Politics
- POLI 3320.03: European Politics
- POLI 3321.03: Politics of the European Union
- POLI 3360.03: Politics in Latin America
- POLI 3378.03: U.S. Constitution, Government, and Politics
- POLI 3385.03: Politics of the Environment
- POLI 4302.03: Comparative Development Administration
- POLI 4303.03: Human Rights: Political Issues
- POLI 4322.03: The EU as a Global Actor
- POLI 4340.03: Approaches to Development
- POLI 4355.03: Comparative Perspectives on the Development State
- POLI 4380.03: Politics of Climate Change

Political Theory and Methodology

- POLI 2410.03: Crisis and Consent: Foundations of Political Thought: 1651-1778
- POLI 2420.03: Revolution and Rationality: Foundations of Political Thought, 1789-1900
- POLI 2450.03: Democracy, Difference and Citizenship: A Survey of Political Philosophy
- POLI 3401.03: Contemporary Political Thought
- POLI 3405.03: Canadian Political Thought
- POLI 3426.03: Sex and the State
- POLI 3427.03: The Sexualization of Western Political Thought
- POLI 3431.03: Politics Through Film and Literature
- POLI 3434.03: The Ancient Origins of Political Thought: From Homer to Aristotle
- POLI 3440.03: The Politics of Fear
- POLI 3450.03: Storm and Stress: Romanticism and the Backlash Against Enlightenment Political Thought
- POLI 3475.03: Democratic Theory
- POLI 3492.03: Political Inquiry I
- POLI 3493.03: Political Inquiry II
- POLI 4403.03: Human Rights: Philosophical Issues
- POLI 4479.03: Liberalism
- POLI 4481.03: Theories of Violence, Persecution, Genocide

International Politics and Foreign Policy

- POLI 2520.03: World Politics
- POLI 2530.03: Foreign Policy in Theory and Practice
- POLI 2540.03: Canadian American Relations
- POLI 3505.03: Human Rights: Foundations
- POLI 3520.03: Building Democracy and Peace
- POLI 3525.03: Comparative Foreign Policy Simulation
- POLI 3531.03: The United Nations in World Politics
- POLI 3535.03: The New International Division of Labour
- POLI 3540.03: Foreign Policy in the Third World
- POLI 3544.03: Political Economy of Southern Africa
- POLI 3550.03: Japanese Foreign Policy
- POLI 3560.03: Human Development/Security at the Start of the Twenty-first Century
- POLI 3565.03: Contemporary Security Studies
- POLI 3567.03: International Organization
- POLI 3568.03: Canada and the World
- POLI 3569.03: Canadian Foreign Policy
- POLI 3574.03: American Foreign Policy
- POLI 3576.03: Defence Policy in Canada
- POLI 3577.03: Civil-Military Relations in Contemporary Western Society
- POLI 3581.03: Diplomacy and Negotiation
- POLI 3587.03: International Political Economy
- POLI 3589.03: Politics of the Sea I
- POLI 3591.03: Pirates, Profiteers and Protectors of the Sea
- POLI 3596.03: Explaining Global Conflict and Violence
- POLI 4340.03: Approaches to Development
- POLI 4512.03: The Politics of North America
- POLI 4523.03: International Relations Theory 1: Order, Conflict and Change
- POLI 4524.03: International Relations Theory 2: Cooperation, Institutions and Development
- POLI 4569.03: Canadian Foreign Policy
- POLI 4575.03: Nuclear Weapons and Arms Control in World Politics
- POLI 4581.03: International Diplomacy: Institutions and Practices
- POLI 4587.03: International Political Economy
- POLI 4590.03: Politics of the Sea II
- POLI 4636.03: Nationalism and Statecraft
- POLI 4810.03: Special Topics in Political Science
- POLI 4820.03: Special Topics in Political Science

Reading Courses (with permission of individual instructor)

- POLI 3601X/Y.06: Readings in Political Science
- POLI 3602.03: Readings in Political Science
- POLI 3603.03: Readings in Political Science
- POLI 4810.03: Special Topics in Political Science
- POLI 4820.03: Special Topics in Political Science

Special Topics (offered occasionally)

- POLI 2810.03: Special Topics in Political Science
- POLI 2820.03: Special Topics in Political Science
- POLI 3810.03: Special Topics
- POLI 3820.03: Special Topics

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair of Department

Harvey, F., (Room 301B, 902 494-6605, frank.harvey@dal.ca)

Undergraduate Advisor

Hayden, A., (Room 352, 902 494-6602, anders.hayden@dal.ca)

Professors Emeriti

Boardman, R., BSc, PhD, DSc (London), FRHistS (McCulloch Professor in Political Science)

Cameron, D. M., BA (Queen's), MA, MPhil, PhD (Toronto)

Eayrs, J. G., BA (Toronto), AM, PhD (Col), FRSC, OC

Stairs, D. W., BA (Dalhousie), MA (Oxon), PhD (Toronto) FRSC, OC

Winham, G. R., BA (Bowdoin), Dip. in Int. Law (Mane), PhD (NorthCar), FRSC

Professors

Black, D. R., BA (Trent), MA, PhD (Dalhousie)

Fierlbeck, K., BA (Alberta), MA (York), PhD (Cantab)

Finbow, R. G., BA (Dalhousie), MA (York), MSc, PhD (London)

Harvey, F., BA, MA, PhD (McGill)

Associate Professors

Arthur, P., BA (Ghana), MSc (LSE), MA (WLU), PhD (Queen's)

Bow, B., BA (UBC), MA (York), PhD (Cornell)

Carbert, L., BA (Alberta), MA, PhD (York)

Denike, M., BA (Simon Fraser), MA (UBC), LL.M. (Queens), PhD (York)

Good, K., BA, MA (Man), PhD (Toronto)

Turnbull, L., BA (Acadia), MA, PhD (Dalhousie)

Assistant Professors

Hayden, A., BA (McGill), MES (York), PhD (Boston College)

Zaiotti, R., BA (Bologna), MA (Oxford), PhD (Toronto)

Honours Program

An honours program normally consists of a six credit hours at the 1000 level in Political Science, and not less than 54 or more than 66 additional credit hours in Political Science. Although 54 to 66 credit hours represents the range allowed under the general university regulations, the Department recommends quite strongly that the normal honours program consist of 54 credit hours above the 1000 level, including the honours essay. The intent of this recommendation is to encourage our honours students to take supporting course work in related disciplines.

Any exception to the requirements stipulated below can only be obtained through written petition to the Undergraduate Committee, which reserves the authority to determine admission into the Honours program in these cases.

Students seeking entry to the Honours Program are advised to see the Honours Advisor in the spring term of their third year, when all grades from their third year are in.

Core Courses

For purposes of the honours program the Department has designated a number of second year courses as honours core courses. These core courses represent the four sub-fields in Political Science. The core courses by sub-field are as follows:

- Canadian government and politics: POLI 2210.03 and POLI 2220.03
- Comparative government and politics: POLI 2300X/Y.06
- Political theory and methodology: POLI 2410.03 and POLI 2420.03
- International politics and foreign policy: POLI 2520.03 and POLI 2530.03

Departmental Requirements

2000 level

- 18 credit hours from the list of core courses above, which must include POLI 2410.03 and POLI 2420.03
- An additional 12 credit hours of Political Science at or above the 2000 level
- 12 Political Science credit hours at the 3000 or 4000 level, not including those listed below.

3000 level

- POLI 3492.03 (or equivalent)
- POLI 3493.03
- These courses (POLI 2410, POLI 2420, POLI 3492, POLI 3493) should be completed by the end of the student's third year in order to be considered for admission to the Honours program.

4000 level

- POLI 4600X/Y.06

Overall, these requirements leave a minimum of 12 optional credit hours, which may be taken at the 2000, 3000, or 4000 levels.

To gain admittance into the Honours program, students must have:

1. B average in their last 60 credit hours
2. B+ average in a group of 24 Political Science credit hours, or equivalent, which must include:
 - 12 credit hours from the list of core courses designated above (which must include POLI 2410.03 and POLI 2420.03)
 - POLI 3492.03 and POLI 3493.03
 - Six credit hours at the 3000 level in Political Science

Students should complete the Honours Application Form (available from the Registrar) and submit it to the Political Science Honours Advisor at the end of their third year.

In their fourth year, honours students are encouraged to take the senior 4000 level courses in addition to POLI 4204/POLI 4207. Permission of the instructor is required. This provides fourth year honours students with the opportunity to work with graduate students at an advanced level.

The honours essay is counted as six credit hours. It is prepared during the fourth year under the supervision of a faculty member. The essay shows the student's ability to develop a systematic argument with reference to pertinent literature and other such data or analytical materials as may be appropriate. The credit number for the honours essay is POLI 4600.06. Arrangements are made for honours students in the last year to meet their supervisor with some regularity to discuss and ultimately present the work represented in their essay. Honours students will also be expected to participate in the Honours Seminar, which will count toward the "21st" grade required by the University.

Combined Honours

PLEASE NOTE: Be sure to read the Faculty of Arts and Social Sciences requirements for the Combined Honours Program listed in the Degree Requirements section.

Several of the more common Combined Honours programs are: Political Science and Philosophy; Political Science and History; Political Science and Economics; Political Science and Sociology; Political Science and Computer Science; Political Science and International Development Studies; and Political Science and Environment, Sustainability and Society. Students interested in taking any of these Combined Honours programs or in discussing other possible programs should consult initially with the Honours Supervisor.

Core Courses

For purposes of the honours program the Department has designated a number of second year courses as honours core courses. These core courses represent the four sub-fields in Political Science. The core courses by sub-field are as follows:

- Canadian government and politics:

POLI 2210.03 and POLI 2220.03

Comparative government and politics:
POLI 2300X/Y.06

Political theory and methodology:
POLI 2410.03 and POLI 2420.03

International politics and foreign policy:
POLI 2520.03 and POLI 2530.03

To obtain a Combined Honours, with an emphasis upon Political Science, students must have:

- Six credit hours at the 1000 level in Political Science (POLI 1100.06, or POLI 1103.06, or POLI 1010.03 and POLI 1015.03, or POLI 1050.03 and POLI 1055.03 or POLI 1030.03 and POLI 1035.03) or the Foundation Year Program (with a final grade of B- or higher);
- 12 credit hours from the list of core courses designated above, which must include POLI 2410.03 and POLI 2420.03; POLI 3492.03 (or equivalent) and POLI 3493.03;
- At least 12 credit hours at the 3000 or 4000 level in Political Science (in addition to POLI 3492.03 and POLI 3493.03); and
- POLI 4600X/Y.06

To gain admittance into the Combined Honours program, with an emphasis upon Political Science, students must have a B+ average in a specially-designated group of Political Science courses: POLI 2410.03 and POLI 2420.03, an additional six credit hours from the core courses listed above; and POLI 3492.03 and POLI 3493.03.

Students who take a combined Honours, with an emphasis on a subject OTHER than Political Science, must take a minimum of

- Six credit hours at the 1000 level in Political Science (POLI 1100.06 or POLI 1103.06, or POLI 1010.03 and POLI 1015.03, or POLI 1050.03 and POLI 1055.03, or POLI 1030.03 and POLI 1035.03) or the Foundation Year Program (with a final grade of B- or higher);
- Six credit hours in a single sub-field from the core courses listed above;
- POLI 3492.03 (or an equivalent quantitative methods course (approved by the Department)) and POLI 3493.03;
- Six credit hours in Political Science beyond the 2000 level; and
- 12 credit hours in other Political Science courses beyond the 1000-level.

To gain admittance into the Combined Honours program, with an emphasis upon a subject OTHER than Political Science, students must have a B+ average in 12 credit hours of Political Science, including at least six credit hours from the list of core courses above.

BA (120 credit hour) Major in Political Science

The Major program offers the opportunity for students to design a more focused study within a specific subfield of Political Science. The Major program requires 120

credit hours: students must have a minimum of 36 and a maximum of 54 credit hours in Political Science above the 1000 level; 18 of these credit hours must be beyond the 2000 level.

Departmental Requirements

1000 level

- six credit hours from the following: POLI 1010.03, POLI 1020.03, POLI 1025.03, POLI 1050.03, POLI 1055.03, POLI 1100X/Y.06, POLI 1103X/Y.06

2000 level

- 12 credit hours in different core course fields. The core course areas are as follows:
 - Canadian government and politics: POLI 2210.03 and POLI 2220.03
 - Comparative government and politics: POLI 2300X/Y.06
 - Political theory and methodology: POLI 2410.03 and POLI 2420.03
 - International politics and foreign policy: POLI 2520.03 and POLI 2530.03

Students must complete six credit hours in two of these areas, for a total of 12 credit hours.

3000 level

- 18 credit hours. Note: three credit hours must be either POLI 3492.03 (or equivalent) or POLI 3493.03.
- six additional credit hours in Political Science above the 1000 level

Other required courses

A writing course or King's Foundation Year Program.

BA (120 credit hour) Double Major in Political Science

Departmental Requirements

1000 level

- Six credit hours from the following: POLI 1010.03, POLI 1020.03, POLI 1025.03, POLI 1050.03, POLI 1055.03, POLI 1100X/Y.06, POLI 1103X/Y.06

2000 level

- 12 credit hours in different core course fields. The core course areas are as follows:
 - Canadian government and politics: POLI 2210.03 and POLI 2220.03
 - Comparative government and politics: POLI 2300X/Y.06
 - Political theory and methodology: POLI 2410.03 and POLI 2420.03
 - International politics and foreign policy: POLI 2520.03 and POLI 2530.03

Students must complete six credit hours in two of these areas, for a total of 12 credit hours.

3000 level

- 12 credit hours. Note: three credit hours must be either POLI 3492.03 (or equivalent) or POLI 3493.03.

Other political science

- Six additional credit hours in Political Science above 1000 level

Other required courses

- A writing course or King's Foundation Year Program

Equivalents

- Courses equivalent to POLI 3492 are STAT 1060, SOSA 3403 and CTMP 3000

BA (90 credit hour) Minor in Political Science

See the Minor in Political Science section of this Calendar

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

POLI 1050 Ideas, Politics, and People

CREDIT HOURS: 3

This course is an introduction to major political concepts, ideas, and disputes. It provides a foundation for all further courses in political science. By reference to current political issues, we explore the ideologies of nationalism, liberalism, socialism, conservatism, fascism, feminism, and other political ideas. A unit on political economy elucidates what these ideologies mean in practice. Another unit on political culture examines how these ideologies work out differently in individual nation-states. POLI 1055.03 follows sequentially.

FORMAT: Lecture

EXCLUSIONS: POLI 1100X/Y.06, 1103X/Y.06, 1015.03, 1035.03, 1025.03

POLI 1055 Governments and Democracy

CREDIT HOURS: 3

What do governments do? And how is democratic government distinct and valuable? In this course, we study how the institutions of government - legislatures, constitutions, federalism, judiciary, electoral system - operate. A unit on political violence and democratization includes material on development and modernization politics in various parts of the world. Topics addressed will include: the nature and limits of democracy; the relationship between economic wealth and political power; the quest for human rights; the nature of diplomacy and international organization; the challenge of defining and promoting international security; the challenges of

FORMAT: Lecture

EXCLUSIONS: POLI 1100X/Y.06, 1103X/Y.06, 1010.03, 1030.03, 1020.03

POLI 1100X/Y Political Worlds: An Introduction to Government and Politics

CREDIT HOURS: 6

In this team-taught introductory course, you will be exposed to the diverse worlds of political life through the research and teaching interests of a diverse range of professors in the Political Science department. They will introduce you to a range of key issues and approaches that animate both their own research and contemporary politics in various parts of the world. Topics addressed will include: the nature and limits of democracy; the relationship between economic wealth and political power; the quest for human rights; the nature of diplomacy and international organization; the challenge of defining and promoting international security; the challenges of

global inequality and development; forms of political participation; the politics of environmental sustainability; and the relationship between politics and sports.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: POLI 1010.03, POLI 1015.03, POLI 1020.03, POLI 1025.03, POLI 1030.03, POLI 1035.03, POLI 1103X/Y.06

POLI 1103X/Y Introduction to Government and Politics

CREDIT HOURS: 6

The approach and format in POLI 1103.06 is similar to that in POLI 1100.06 above. This course is also designed, however, to serve as the Department's designated Writing Course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: POLI 1010.03, POLI 1015.03, POLI 1020.03, POLI 1025.03, POLI 1030.03, POLI 1035.03, POLI 1100X/Y.06

POLI 2210 Unity and Diversity: The Dynamics of Canadian Federalism

CREDIT HOURS: 3

Along with parliamentary government and the Charter of Rights and Freedoms, federalism is one of the three constitutional pillars of governance in Canada. Federalism has been central to Canada's political, economic, social and cultural development. The course examines federalism through three related conceptual angles: First, and most fundamentally, the course explores how federalism shapes the practice of democracy in Canada. Second, it examines how federalism either facilitates or hinders the recognition, accommodation and inclusion of a variety of territorial and non-territorial interests and identities. Third, it investigates how federalism influences the development and implementation of public policy. The course provides an overview of the institutional structures and evolution of Canadian federalism as well as the relationship between these structures and Canadian society. It engages with contemporary debates about the performance of Canada's federal institutions and explores possible reform options. Issues covered in the course include, for instance, the role of Quebec nationalism in the federation's evolution, the relationship between the Charter of Rights and Freedoms and federalism, debates concerning fiscal "imbalances" in the federation, the place of emerging "orders of government" (including municipalities and of Aboriginal governments) in the federation, and debates concerning the causes and consequences of centralization and decentralization in the Canadian federation.

FORMAT: Lecture| Discussion

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2200X/Y.06

POLI 2220 Political Power and Partisan Politics: The Structures of Canadian Parliamentary Government

CREDIT HOURS: 3

Canadian government is dominated by prime ministers and premiers. Why this concentration of power at both the federal and provincial levels of government? Are Members of Parliament who are not in the Cabinet really "nobodies" as one recent PM characterized them? Are Cabinets themselves becoming no more than "focus groups"? Do unelected partisan aides and public service advisors have more influence than the vast majority of elected representatives? Are political parties irrelevant as vehicles for citizen engagement? Are interest groups or social movements any more relevant? Do elections matter? Are the media merely the political instruments of the business elites? These are among the issues that are examined in this course in an attempt to understand the most critical factors that shape the structuring of power in contemporary Canadian government.

FORMAT: Lecture| Discussion

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2200X/Y.06

POLI 2300X/Y Comparative Politics

CREDIT HOURS: 6

This course introduces students to the methodology and scope of comparative politics, including analysis of political institutions and behaviour. General overviews and selected case studies are provided for liberal democracies, post-communist, newly industrializing and least developed countries. Topics include theories of the state, political culture and socialization, electoral and party systems, interest groups, ethnic and regional cleavages, gender politics, policy outcomes and system performance, political participation and leadership and contemporary challenges and changes. Group presentations are used for student exploration of these themes.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: Introductory political science course or permission of the instructor or Kings FYP

POLI 2350 Governance and Globalization

CREDIT HOURS: 3

This seminar course provides students with an opportunity for critical evaluation of the reshaping of political processes and institutions that are occurring as the result of globalization. The course will explore the concept of governance in the context of changing dynamics related to the trans-nationalisation of production and increased capital mobility as well as the rise in numbers and influence of NGOs and new social movements. Hence, "new" forms of governance emerging out of decentralization and/or disinvestment of state authority and supra-national arrangements that are broadly captured within the concept of "global governance" will be explored along with traditional concepts of governance that centre on the actors, structures and environments of governmental policy-making. A range of issues will be examined – governance of economies, environment, communications, human rights, health, conflict and complex emergencies – within the context of debates involving the "internationalization" of the state; the role of identities – e.g. nationalist, ethnic, gender, cosmopolitan; the growing relevance of regions and the nature of and prospects for democracy and citizenship.

FORMAT: Seminar

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 3350.03

POLI 2410 Crisis and Consent: Foundations of Political Thought: 1651-1778

CREDIT HOURS: 3

This course covers some of the most important early modern theorists (Hobbes, Locke, Hume, Smith, Rousseau, and Montesquieu). It looks at the development of natural rights, democracy, capitalism, and citizenship.

FORMAT: Lecture| Tutorial

PREREQUISITE: 1000-level course in Political Science or Philosophy or Kings FYP recommended

CROSS-LISTING: PHIL 2210.03

EXCLUSIONS: POLI 2400X/Y.06

POLI 2420 Revolution and Rationality: Foundations of Political Thought, 1789-1900

CREDIT HOURS: 3

This course focuses upon late-eighteenth and nineteenth-century thought (Burke, Paine, Tocqueville, Mill, Hegel, Marx, Nietzsche), and investigates human rights, democracy, utilitarianism, individualism, socialism, and the roots of postmodern thought. POLI 2410 is not a formal prerequisite for POLI 2420, although students will find POLI 2410 a very useful introduction to POLI 2420.

FORMAT: Lecture| Tutorial

PREREQUISITE: 1000-level course in Philosophy or Political Science or Kings FYP recommended

CROSS-LISTING: PHIL 2220.03

EXCLUSIONS: POLI 2400X/Y.06

POLI 2450 Democracy, Difference and Citizenship: A Survey of Political Philosophy

CREDIT HOURS: 3

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: 1000-level course in Political Science or Philosophy or Kings FYP recommended

CROSS-LISTING: PHIL 2450.03

POLI 2520 World Politics

CREDIT HOURS: 3

Why do states fight wars? Commit genocide? Sign treaties? Acquire and sell ballistic missile and nuclear technologies? Join economic and military alliances? Enforce and/or dismantle sanctions against states like Iraq, Iran or North Korea? Why can't we enforce international law as effectively as we enforce domestic law? Can we identify (and enforce) an objective set of universal moral values to guide relations between states and peoples? Is the U.N. a useful institution or is it destined to fail? Should NATO have intervened in conflicts in Bosnia, Kosovo, Rwanda or Afghanistan? What were the factors that led to the US-UK invasion of Iraq in 2003, and what does this tell us about US foreign policy and the origins of major conflict? These are some of the questions the course is designed to answer. Major frameworks will guide discussion.

FORMAT: Lecture| Discussion

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2500X/Y.06

POLI 2530 Foreign Policy in Theory and Practice

CREDIT HOURS: 3

Foreign Policy is concerned with the way that individual states decide on their priorities and strategies in relation to the rest of the world. This course begins with a brief review of International Relations theories and their application to foreign policy. The main part of the course explores theories about what drives foreign policy decision-making: political systems, bureaucracy, culture, psychology, and leadership. The last part of the course looks at the instruments of foreign policy, with particular attention to the military, trade and investment, and foreign aid. All parts of the course feature a mix of abstract theory and specific, real-world examples.

FORMAT: Lecture| Discussion

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2500X/Y.06

POLI 2540 Canadian-American Relations

CREDIT HOURS: 3

Canada's relationship with the United States affects almost every aspect of our political, economic, social and cultural life. The U.S. outranks Canada on all the dimensions of power and influence by factors of 10 or 12 to one, and in some fields (e.g., military capacity) by considerably more. Well over 40% of Canada's economic production goes into exports, and of that well over 80% goes to the United States. Canadians cannot go to the movies, watch television, listen to popular music, consume fast food, or do errands at the local shopping centre without exposing themselves to what a prominent American political scientist has described as his country's 'soft power'. This course will consider how Canadians are affected by these and other influences from south of the border, how they have debated them among themselves, and what public policies have been established in response to the concerns they have generated.

FORMAT: Lecture| Discussion

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2510X/Y.06, 2512X/Y.06

POLI 2810 Special Topics in Political Science

CREDIT HOURS: 3

An examination of selected issues in Political Science. This course explores (e.g. when a visiting scholar is on campus) a special topic that is not a regular offering of the department. It is taught as a lecture or seminar course, not as an independent studies course. Since the topics covered in these courses differ from year to year, students should seek further information from the Political Science Department before registering.

NOTE: Course Details listed here also apply to POLI 2820.

FORMAT: Lecture| Seminar

PREREQUISITE: Permission of the instructor.

POLI 2820 Special Topics in Political Science

CREDIT HOURS: 3

See POLI 2810.

POLI 3206 Constitutional Issues in Canadian Politics

CREDIT HOURS: 3

These are political issues that possess an important constitutional dimension. They include judicial review and the role of the Supreme Court of Canada, constitutional amendment, the representation formula, the Charter of Rights and Freedoms, language rights and the Crown.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03 and 2220.03 recommended

POLI 3208 Canadian Provincial Policies

CREDIT HOURS: 3

An analysis of the dynamics and structures of provincial governments. Political parties, voting behaviour, legislatures, electoral systems, bureaucracies and policy formulation constitute the core of this course. Attention is also paid to interprovincial and intergovernmental relations.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03 and POLI 2220.03 recommended

POLI 3220 Intergovernmental Relations

CREDIT HOURS: 3

This course will examine the territorial division of political and administrative power and the nature of relations between governments which result from such a division of power, including federal-provincial-municipal or “tri-level” relations. Specific topics will include the role of the courts in constitutional interpretations, the instruments of “fiscal federalism” (including equalization payments, conditional grants, tax sharing arrangements and shared cost programs), administrative relationships and the concept of “executive federalism”. These themes will be pursued further by each student through the preparation of a research paper. This paper will deal with a policy area selected by the student (transportation, education, health, etc.) and will provide an opportunity for a more intensive examination of the impact of intergovernmental relations, on public policy and vice versa. For additional information about course requirements, please consult the instructor.

FORMAT: Lecture| Discussion

PREREQUISITE: POLI 2210.03 and 2220.03 recommended

POLI 3224 Canadian Political Parties

CREDIT HOURS: 3

The Canadian party system, viewed as an integral part of the entire political system, presents a number of interesting questions for exploration, such as lower voter turnout, electoral reform, the role of party leaders, and the manner in which parties contribute to Canadian democracy. The particular themes emphasized will vary from year to year. Approved with Canadian Studies.

FORMAT: Lecture| Discussion

PREREQUISITE: POLI 2210.03 and POLI 2220.03 recommended

POLI 3228 Pressure Politics in Canada

CREDIT HOURS: 3

The goal of this seminar is to explore the opportunities for and obstacles to advocacy politics in Canada. We analyze the strategies that pressure groups use to engage the most important loci of power in the Canadian political system; parliament, the public service and the courts.

POLI 3232 Local Government in Canada

CREDIT HOURS: 3

Most Canadians live in cities, yet local government is the weakest unit in our federal system. What accounts for this? After all, local government has often been described as the foundation of democracy. In Canada, local governments have many unique characteristics, from their constitutional status to the council system and a tradition of non-partisan government. We will explore the character of local government and the issues related to local governance, including regional and metropolitan restructuring and citizen participation, municipal finance, provincial-local relations, and the role of the federal government.

FORMAT: Lecture| Discussion

COREQUISITE: POLI 2220 or POLI 2210

PREREQUISITE: 1000-level course in Political Science or Kings FYP recommended

EXCLUSIONS: POLI 2230 and POLI 3231

POLI 3235 The Politics of Regionalism

CREDIT HOURS: 3

The course surveys the interaction between politics and economics in Canada with emphasis on the question of regional development. It will canvass competing explanations for differences in economic development among Canada's regions with special emphasis on Maritime economic problems, highlighting both the political sources of regional disparities and continuing efforts to rectify them. Distinctive Western, Quebec and Ontario concerns will also be covered. Seminars for senior undergraduates will feature student presentations and research projects. Approved with Canadian Studies.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03 or POLI 2220.03 recommended

POLI 3250 Canadian Public Admin.

CREDIT HOURS: 3

This course examines the organization and management of the executive-bureaucratic structures of government for the formation and management of public policy and public services. It considers the design and operation of the cabinet system and ministerial portfolios; relations between ministers and the career public service, policy and budgetary processes; and the structural designs of departments, agencies, crown corporations and regulatory commissions. A major focus will be the effects of the new public management on public administration, as governments in Canada, as elsewhere, seek to cope with budgetary restraints, increased demands for quality services and public participation, and greater effectiveness in securing results.

POLI 3304 Comparative Federalism

CREDIT HOURS: 3

A seminar course which examines the theory and practice of federalism within a comparative framework. The actual federations discussed depend in part on student interest but usually includes both established federal nations and those moving in that direction.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03/POLI 2220.03 recommended

CROSS-LISTING: PUAD 6755.03

POLI 3311 Sport and Politics

CREDIT HOURS: 3

This course examines the role of sport in domestic, transnational and international politics. It addresses the gap in much of mainstream political science concerning the pervasive influence of popular cultural trends and practices on political life. Some topics include: the role of sport in political socialization and the creation of national identity; the politics of the Olympic Games; sport and globalization; and sport and the politics of gender and wealth accumulation.

FORMAT: Seminar

PREREQUISITE: POLI 2300.06 or POLI 2520.03/2530.03 or permission of the instructor

POLI 3315 African Politics

CREDIT HOURS: 3

The diversity of states, politics, economy and society in post-colonial sub-Saharan Africa is examined in this seminar. Topics include theoretical approaches, economic frameworks, governmental regimes, structural adjustments, civil society, and intra-regional political economies, and selected aspects of policy such as economic reform, political liberalization, women and development, drought and ecology, AIDS and health.

FORMAT: Seminar

PREREQUISITE: Previous coursework at the 2000-level, in Political Science or other Arts and Sciences courses, is recommended.

POLI 3320 European Politics

CREDIT HOURS: 3

This course looks at the political systems of selected countries in Europe, including Germany, Britain, Spain, Ireland and Switzerland. Topics include political parties and elections, federalism, ethnicity and regional nationalisms, immigration politics, and changing state-economy relations.

FORMAT: Seminar

PREREQUISITE: POLI 2300XY and POLI 2520 and POLI 2530 recommended

EXCLUSIONS: POLI 3325X/Y.06

POLI 3321 Politics of the European Union

CREDIT HOURS: 3

Europe is a complex polity. Almost all countries are members of the European Union (EU), which has common government institutions and policy-making processes. The course examines these important developments in the context of theories of integration. Among topics discussed are the common currency, agricultural politics, the common foreign and security policy, social policy issues, and the significance of institutions such as the European Parliament. The role of the EU in the global economy, and expansion into central and Eastern Europe, are also discussed.

FORMAT: Seminar

PREREQUISITE: POLI 2300XY and POLI 2520 and POLI 2530 recommended

EXCLUSIONS: POLI 3325X/Y.06

POLI 3360 Politics in Latin America

CREDIT HOURS: 3

This seminar for advanced undergraduates examines one of the world's most dynamic, diverse and rapidly changing regions. It surveys Latin America's search for democracy from colonial to contemporary times. Students examine differing perspectives on the nature of democracy and explore Latin American political history and development, including the indigenous foundations, the colonial impositions, and more recent foreign intervention. The course examines political structures and values, the authoritarian presidency, military politicization, party competition and electoral politics. The course also examines state-society relations, the immense inequality, the changing role of women and the remobilization of indigenous peoples and the impact of liberalization and reactions to it from civil society. The course concludes by examining prospects for consolidation of democracy and liberalization in the contemporary era of globalization, the significance of the revitalization of the political left, and the implications for scholarly interpretations.

FORMAT: Seminar

PREREQUISITE: POLI 2300.03 or POLI 2350.03 or POLI 2520.03 or INTD 2001.03 or INTD 2002.03 or SPAN 2109.03 or SPAN 2110.03 or SOSA 3168.03 or HIST 2384.03 or HIST 2385.03 or HIST 2386.03 or HIST 2387.03 or HIST 3390.03 recommended

POLI 3378 U.S. Constitution, Government, and Politics

CREDIT HOURS: 3

The purpose of this seminar course is to gain a thorough and critical understanding of the American political process. To this end, a series of topics are examined, beginning with the framing of the constitution and concluding with questions about political culture. There is considerable emphasis on formal and informal political institutions, especially political parties and elections.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03/2220.03 or POLI 2300X/Y.06 recommended

POLI 3385 Politics of the Environment

CREDIT HOURS: 3

This course examines competing perspectives on the political, social, and economic forces driving environmental degradation, as well as differing visions of the types of political change required for ecological sustainability. Topics include: competing perspectives on ideas of limits to growth and sustainable development; the links between poverty, North-South inequality, and environmental degradation; population growth; the promise and limits of technological solutions; consumerism and ecological degradation; market-based environmentalism; ecological modernization; and ecological critiques of capitalism.

FORMAT: Lecture| Seminar

PREREQUISITE: Previous course in Political Science recommended

EXCLUSIONS: POLI 3585.03

POLI 3401 Contemporary Political Thought

CREDIT HOURS: 3

This course provides an overview of general themes and current debates within contemporary western social and political thought. The course will profile the work of selected authors (such as Michel Foucault, Noam Chomsky, Judith Butler, Carole Pateman, and Charles Mills) on topics such as power, justice, community, citizenship, property, entitlement, identity, and difference. We will also discuss the impact of theoretical developments, such as post-colonialism, feminism, postmodernism, and critical race studies on social, political, and legal reform.

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 2410.03 or POLI 2420.03 or PHIL 2210.03 or PHIL 2220.03

POLI 3405 Canadian Political Thought

CREDIT HOURS: 3

This course addresses philosophical issues that play a major role in contemporary Canadian politics. These include minority rights and multiculturalism; nationalism, federalism, and self-determination; and citizenship and the politics of identity. Approved with Canadian Studies.

FORMAT: Seminar

PREREQUISITE: POLI 2210.03/POLI 2220.03 or POLI 2410.03/POLI 2420.03 recommended

EXCLUSIONS: POLI 3205.03

POLI 3426 Sex and the State

CREDIT HOURS: 3

This course will consider the role of the state and other institutions in the social, moral and legal production and regulation of sex and gender, particularly in Western countries. It will begin with a brief historical overview of the role of religious prescriptions in the social and legal regulation of sex, and in the refinement of laws and policies that have been implicated in sex-and gender-based discrimination. We will also address a range of contemporary topics such as the decriminalization of homosexuality; hate crimes against sexual minorities; the politics of relationship recognition; state response to HIV/AIDS; gender-related refugee claims; and developments in the regulation of reproductive technologies.

FORMAT: Seminar

PREREQUISITE: Previous coursework in Political Science recommended

CROSS-LISTING: GWST 3426.03

POLI 3427 The Sexualization of Western Political Thought

CREDIT HOURS: 3

Representations of women and constructs of femininity are a significant part of mainstream western political thought. Drawing on contemporary critical analyses, this course examines the roles of such representations in the work of leading philosophers, with attention to understanding the relation between ideas of sexual difference and their general systems of thought. We will also discuss the work of contemporary feminist political theorists on a range of social and legal issues, through a review of recent developments in theories of knowledge, embodiment, equality, and rights.

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 1010.03 OR 1015.03 OR 1030.03 OR 1035.03 OR 1050.03 OR 1055.03 OR 1100.06 OR 1103.06 OR GWST 1010.03 OR 1015.03 OR 2000.03 OR 2053.03 OR 2066.03 OR 2200.06 OR 2217.03 OR 2300.03 OR 2301.03 OR 2310.03 OR 2320.03 OR 2500.03 OR 2800.06 OR permission from the instructor.

CROSS-LISTING: GWST 3600.03

POLI 3431 Politics Through Film and Literature

CREDIT HOURS: 3

Film and literature often capture the depth and texture of politics in a way that the social scientific method cannot. This course uses contemporary novels and films to analyze the Enlightenment, Orientalism, the frontier, and the political economy of community.

FORMAT: Seminar

PREREQUISITE: POLI 2410.03/2420.03 or permission of the instructor.

POLI 3434 The Ancient Origins of Political Thought: From Homer to Aristotle

CREDIT HOURS: 3

This course will study the very beginnings of political thought with Greek poets, historians and educators, culminating in a careful investigation of the political writings of Plato and Aristotle. We will investigate philosophical questions about the origin of the state, the purpose of political community, the different kinds of regimes or constitutions, the common good, individual freedoms, revolution, war, wealth, poverty, and slavery.

FORMAT: Lecture| Tutorial

CROSS-LISTING: CLAS 3434.03, PHIL 3434.03

POLI 3440 The Politics of Fear

CREDIT HOURS: 3

This course will consider the instrumentality of fear and terror in public policy, and its role in fostering public opinion and managing social groups and populations. Drawing on interdisciplinary and theoretical analyses of sex and race discrimination, it will consider various ways in which sexual and racial politics are implicated in the production and proliferation of "terror" in contemporary western societies, in practices perpetrated or sanctioned by both state and non-state actors. It will look at the recent discourses of terrorism and its representation in the media: philosophical considerations of anti-immigrant fear-mongering; and political analyses of the economy of "security" industries. It will also address the role of both state and corporate interest in disaster relief, epidemics, and other social crises.

FORMAT: Lecture| Seminar

PREREQUISITE: Previous coursework in Political Science recommended

POLI 3449 Confronting Fascism

CREDIT HOURS: 3

This course focuses on German writers, artists, filmmakers, and intellectuals whose work impacted and was impacted by the rise of fascism in the 20th century.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GERM 3450.03

POLI 3450 Storm and Stress: Romanticism and the Backlash Against Enlightenment Political Thought

CREDIT HOURS: 3

Romanticism is generally seen as a cultural movement, with its expression in literature, music, painting, and philosophy. Yet its effect upon politics have been profound. Nonetheless, there has been little extensive political analysis of the Romantic movement and its effects. This course examines the development of Romanticism, especially in its opposition to rationalism, positivism, and classicism, from the late eighteenth century to the present. It examines the thesis that the early 21st century is experiencing a significant period of neo-romanticism, with its own set of reactions against rationalism and realism. What is the political manifestation of this neoromanticism, and what are the implications for contemporary politics?

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 2410.03, POLI 2420.03 recommended

POLI 3475 Democratic Theory

CREDIT HOURS: 3

Democracy is an essential component of legitimacy for all western states: few would be inclined to assert their "undemocratic" nature. But what are the essential characteristics of democracy; and to what extent must modern democratic theory remain grounded in nineteenth-century western liberal thought? While this course has a predominantly theoretical orientation, it will include an examination of the relations between democratic theory and economic production/redistribution; as well as an

investigation into how democratic theory can be developed in non-Western political contexts.

FORMAT: Seminar

PREREQUISITE: Previous courses in Political or Moral Philosophy recommended

CROSS-LISTING: PHIL 3475

POLI 3492 Political Inquiry I

CREDIT HOURS: 3

This course is an introduction to empirical research methods in political science and the social sciences more generally. It covers a range of issues that are relevant to both qualitative and quantitative empirical research, but the emphasis is on quantitative strategies (i.e., statistical analysis). Key issues include specification of hypotheses, measurement of variables, case selection, choosing and evaluating research designs, and drawing sound inferences from research findings. The “quantitative” component of the course de-emphasizes statistical theory and math, and focuses instead on the generation and interpretation of statistical results, using statistical software. The course is built around a series of small homework assignments, lab sessions, a formal “data analysis paper,” and a midterm and final exam.

FORMAT: Lecture

PREREQUISITE: 30 credit hours required, 60 credit hours recommended; previous coursework in Political Science recommended

POLI 3493 Political Inquiry II

CREDIT HOURS: 3

This course introduces the theory and practice of qualitative research methods to study political phenomena. Themes addressed in the course include the theoretical and conceptual implications of choosing a particular methodology; the philosophical assumptions behind social science research; the various qualitative research methods available to political scientists, including interviewing, participant observation, case studies, comparative analysis, and the use of documentary/primary sources; the evaluation of academic texts in political science, focusing on the logic of their argument, their methodologies, and the relationship between the evidence presented and their argument; and the ethical issues involved in conducting qualitative research.

FORMAT: Lecture| Discussion

PREREQUISITE: 30 credit hours required, 60 credit hours recommended; previous coursework in Political Science recommended

EXCLUSIONS: POLI 2494X/Y.06

POLI 3505 Human Rights: Foundations

CREDIT HOURS: 3

This course examines the formation of international human rights institutions, mechanisms, practices, and related jurisprudence. It provides an overview of the development of international humanitarian law and policy; the treaty system and monitoring bodies; and international criminal court and criminal tribunals. Through analyses of reporting systems under a selection of treaties, we will address how both states and non-government organizations have engaged human rights treaty committees on different conventions and areas of law (e.g., civil and political rights; the rights women, children, migrants, torture victims, etc.), and we will consider their applications within domestic law and policy. We will also look at the formation of international criminal law institutions, and, through a sample of case studies, we will consider their approaches to state and individual responsibility and accountability for persecution, genocide and crimes against humanity.

FORMAT: Lecture| Seminar

PREREQUISITE: Previous coursework in Political Science recommended

EXCLUSIONS: POLI 3303.03

POLI 3520 Building Democracy and Peace

CREDIT HOURS: 3

Many people have long argued that there is an intimate relationship between democracy and peace. Thus, they claim, democracies are much more inclined to peace - both internal and external than other political systems. It is clear that democracy allows the representation of a large number of interest in a society, and this can lead to peaceful resolution of or accommodation of - disputes. There have been many studies about established democracies in this regard, but less research into societies in transition--i.e., countries which are democratizing. Since countries in transition present the vast majority of countries in the world, it would seem timely to study this phenomenon. Democratization involves a multitude of steps and must therefore incorporate a great variety of actors, particularly in post-conflict societies. The role of three (overlapping) elements in post-conflict societies in the process of democratizing appear to be the key. These elements are civil society, the institutional environment and refugees. This third or fourth year level course will examine these key actors/elements and processes.

FORMAT: Lecture

POLI 3525 Comparative Foreign Policy Simulation

CREDIT HOURS: 3

This course is designed for advanced (i.e., 3rd/4th year) undergraduate and graduate students in Political Science. Once students become familiar with basic concepts, theories and decision-making frameworks developed within the sub-field of comparative foreign policy (part 1), they will be expected to apply what they have learned through participation in an interactive computer simulation involving other university teams throughout North and South America and eastern and western Europe. As they attempt to implement policy initiatives and work in teams to resolve international disputes, students will confront foreign policy issues in a context that provides an authenticity of experience. The objective is to enable students to create and test organizational skills, understand the interdependence of international issues, appreciate cultural differences and approaches to world problems, and use computers for multinational communications.

FORMAT: Seminar

PREREQUISITE: POLI 2520.03/2530.03

POLI 3531 The United Nations in World Politics

CREDIT HOURS: 3

The evolution of the United Nations from its early concentration on problems of collective security, through the period of preventive diplomacy and anti-colonialism, to its present role as a forum for the aspirations and demands of the Less Developed Countries is reviewed. The more distant future, and the continuing relevance of the United Nations in world politics, and how its role and objectives should be determined, are considered.

FORMAT: Seminar

PREREQUISITE: Course in international politics or instructor's permission

POLI 3532 Model UN

CREDIT HOURS: 3

The primary goal of this course is to help students understand the operation of the UN system through preparation for Model UN meetings. The course is designed for students who are participating in Model UN meetings and aims to help students prepare effectively for those meetings. Through their preparatory research for the meetings, students will learn the politics of UN voting practices of various countries and the relationships between domestic politics, international politics and UN

voting records. This course will also enable students to understand the internal dynamics of the UN General Assembly and committee systems, how UN meetings operate, and the professional skills involved in drafting and negotiating the text of resolutions. The course will also provide students with the opportunity to learn about the political issues that influence the positions at the UN of various countries (assigned by the Model UN Assembly to individual students), and about committee issues under debate at the UN (assigned by the Model UN Assembly to individual students).

PREREQUISITE: POLI 2520.03 or permission of instructor

POLI 3535 The New International Division of Labour

CREDIT HOURS: 3

This seminar provides an overview of the global political economy in the current post-Bretton Woods and -Cold War period. It treats the New International Division of Labour/Power from several theoretical and political perspectives, from comparative foreign policy to feminism. Issues addressed include the Newly Industrializing Countries, the Middle Powers and the Fourth World; new functionalism; popular participation; and alternative futures.

FORMAT: Seminar

PREREQUISITE: POLI 2520 or POLI 2530 recommended

POLI 3540 Foreign Policy in the Third World

CREDIT HOURS: 3

This seminar offers a comparative perspective on the political economy of foreign policy in Africa, Asia, the Middle East, and South America at the end of the twentieth century. Its focus is how such state and non-state actors in the South relate to the New International Divisions of Labour and Power given the demise of both Bretton Woods and Cold War global regimes. In addition to selective case studies of both large and small states - from Brazil, India, Indonesia, and Nigeria to Botswana, Jamaica, Kuwait, and Singapore - it treats formal and informal external relations, from regional intergovernmental institutions to non-governmental coalitions. It also examines new forms of regional conflict and cooperation, including guerrilla struggles and civil societies. It emphasizes the incidence and impact of structural adjustment programs and conditionalities along with the emergence of "new" issues such as debt, democracy, ecology, gender, refugees, and technology. A range of alternative approaches is identified and evaluated appropriate to the contemporary period of revisionism.

FORMAT: Seminar

PREREQUISITE: POLI 2520 or POLI 2530 recommended

POLI 3544 Political Economy of Southern Africa

CREDIT HOURS: 3

An introduction to the comparative politics, economic structures and international relations of Southern Africa, which provides a study of regional political economy with both empirical and theoretical significance. As well as country comparisons, the course will look at the region as a political unit, exploring the opportunities for and constraints against formal regional cooperation on economy or security as well as informal processes that constitute the basis of "new" regionalism forces.

FORMAT: Seminar

PREREQUISITE: POLI 2300X/Y.06 recommended

POLI 3560 Issues in Global Security and Development

CREDIT HOURS: 3

Security and development are indissolubly linked: development is compromised when security remains problematic, while a secure environment requires some form of sustainable development. Two of the principle manifestations of this 'security-development nexus' have been intrastate wars and collapsed states. In 2011 for example, none of the states emerging from civil war had reached any of the Millennium Development Goals set by the United Nations. Moreover, the security-development relationship conditions our capacity to develop effective policies on how and whether to intervene in 'fragile' or 'collapsed' states where the security environment is highly problematic, and our capacity to contribute to the economic and human development of these countries. This course aims, first, to give students a broad understanding of the various dimensions of the security-development nexus; and second, to address significant practical implications of this nexus. An important portion of the course will examine specific case studies, and feature keynote practitioners who are grappling with these concepts in everyday situations in the field.

FORMAT: Seminar

CROSS-LISTING: POLI 5560.03

POLI 3565 Contemporary Security Studies

CREDIT HOURS: 3

The course examines developments in the theory and practice of international security since the end of the Cold War. The first part reviews the concept of security and the main theoretical approaches that inform the contemporary security debate. The second part analyzes some of the key contemporary issues in world politics and their relation with international security. Topics include: Military Security, Terrorism, Human Security, Environmental Security, Migration, Health and Security.

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 2520.03 and POLI 2530.03 recommended

POLI 3567 International Organization

CREDIT HOURS: 3

This course will investigate the process of international organization through analysis of the role of international organizations, institutions and regimes. For the purposes of the course, international organizations as well as less formal institutional arrangements. The course will focus on the contemporary debate between rationalist and constructivist theoretical approaches to analyzing international organization. These perspectives will be employed to study the role of international organizations in areas such as international security and international political economy. Topics to be covered include democracy and international organizations, culture and international organizations, bargaining in international organizations, political and economic integration, NGOs and global civil society, and the future of global governance.

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 2520.03, POLI 2530.03 or instructors permission.

POLI 3568 Canada and the World

CREDIT HOURS: 3

This course examines post-World War II Canadian Foreign Policy in two parts: (1) an analysis of 'landmark' policy issues; and (2) an investigation of the general factors that help to "explain" the form and content of Canadian foreign policy, with particular reference to the institutions and processes through which policy decisions are made. Issues discussed are likely to include: the "invention" of peacekeeping; the Mulroney government's involvement in the campaign to end apartheid in South Africa; the negotiation of the North American free trade; the politics of immigration and diasporas; and the place of the Arctic in Canada and international relations.

FORMAT: Seminar

PREREQUISITE: POLI 2210 or POLI 2220 or POLI 2520 or POLI 2530 or HIST 2212 or HIST 2235 or HIST 2661 recommended

POLI 3569 Canadian Foreign Policy

CREDIT HOURS: 3

This advanced seminar course is concerned with the 'structure-agent' problem as it applies to Canadian foreign policy. In other words, what are the structures (both material and normative) that shape and constrain the pursuit of Canadian foreign policy; what room for maneuver and initiative is there; and who are the key actors, or the 'agents' who shape and implement Canada's global role? The course discusses these questions through four sections: theoretical and analytical approaches to the study of Canadian foreign policy; the external context; the domestic; and key themes and issues in Canadian foreign policy

POLI 3574 American Foreign Policy

CREDIT HOURS: 3

This course is a general introduction to American foreign policy, with special attention to the theoretical and policy debates of the post-Cold War period. The course begins with relatively brief introductions to the history of US foreign policy and the institutions of foreign policy-making, but most of the readings and lectures are concerned with broad theoretical debates about what does, and/or what should, drive US foreign policy decisions. In later weeks, some of these theoretical lenses are applied to some specific (recent) foreign policy decisions, including the signing and "unsigning" of the Kyoto Accord, the extension of Permanent Normal Trade Relations status to China, and/or the war in Iraq.

FORMAT: Lecture

PREREQUISITE: POLI 2520.03 or POLI 2530.03 recommended

POLI 3576 Defence Policy in Canada

CREDIT HOURS: 3

This seminar examines the substance, processes, recurring themes, and major international and domestic determinants of post-World War II Canadian defence policies. It explores several major policy "milestones" (e.g. Canadian Forces' role in the Persian Gulf conflict), and various persistent themes (the "Commitment-capability gap"; efforts to "democratize" defence policy reviews) and current issues (e.g. the implications of recent human rights challenges to traditional military professionalism; Canada's role in the Afghanistan conflict) of Canadian defence. Approved with Canadian Studies.

FORMAT: Lecture

RESTRICTIONS: Course in international relations, or foreign policy, or postwar Canadian history, or instructor's permission. Restricted to students in their third year or beyond. Course in international relations, or foreign policy, or postwar Canadian history, or instructor's permission. Restricted to students in their third year or beyond.

EXCLUSIONS: POLI 3571.06

POLI 3577 Civil-Military Relations in Contemporary Western Society

CREDIT HOURS: 3

The course will examine the trilateral relationship between society, government, and the military in the post-Cold War era. The context includes: changing societal values and the domestic pressures they produce; and the implications of a constantly changing strategic environment. Different perspectives will be examined to assess the implications for civil-military relations of the above-noted changes: legal/constitutional (Charter challenges); military/professional (operational requirements); and political (constituency and special interest demands).

FORMAT: Seminar

PREREQUISITE: POLI 2520.03/POLI 2530.03 recommended

POLI 3581 Diplomacy and Negotiation

CREDIT HOURS: 3

This course looks at the way states decide which diplomatic strategies to pursue, and why these succeed or fail. Among the themes considered are the evolution of diplomacy as an international institution, national power and bargaining leverage, and the effects of domestic politics, psychology, and culture on international negotiation. Specific historical cases which may be reviewed in any given year include: the Peloponnesian War, the Munich Crisis, the Cuban Missile Crisis, the negotiation of the Canada-US Free Trade Agreement and NAFTA, and the Kyoto Protocol. Students participate in a negotiation-simulation exercise and write a paper on a particular historical case.

FORMAT: Seminar

PREREQUISITE: Course in international politics (POLI 2520 or POLI 2530) recommended

POLI 3587 International Political Economy

CREDIT HOURS: 3

This course is composed of two overlapping constituent themes. The first theme is that of competing explanations of international political economic behaviour - behaviour affected by that diffuse political authority characteristic of the international system, the second, that of examining the basic issues in international political economy - the fundamental questions as to why international trade, international finance, unequal economic development, international organization, and the multinational enterprise. The first theme functions to create the over-all framework of analysis by which competing approaches to international political economy can be evaluated. The second theme will integrate these approaches with issue areas within the fields of international trade, international finance, and what might be termed "international production" (within which fields issues such as economic development, the multinational enterprise, and the global "division of labour" constitute the major foci). The course sessions will roughly be constituted by 50 percent lecture and 50 percent organized student contributions for seminar discussion and debate.

POLI 3589 Politics of the Sea I

CREDIT HOURS: 3

The major issues involved in the Law of the Sea, the differing interests of different countries, the developing legal framework, and the political process of the on-going negotiations are covered.

FORMAT: Seminar

PREREQUISITE: Preference is given to graduate students, although mature students from other relevant disciplines are welcome.

POLI 3591 Pirates, Profiteers and Protectors of the Sea

CREDIT HOURS: 3

While the world is focused on the terrorist threat on land, piracy and other criminal activities are spreading rapidly on the seas. Youths in small boats with simple weapons are embarrassing the most powerful navies in the world, hijacking merchant ships off the coast of Somalia and getting multi-million dollar ransoms for their hostages. Meanwhile, illegal immigration and smuggling are also increasing dramatically. Natural disasters are also on the rise. Is Canada ready for these challenges? Are our maritime forces properly structured for the new security era or should they be changed radically? Tens of billions will be spent soon on new ships to either

perpetuate the status quo or launch in a new direction. This course shows the full range of policy and capability options available and explains the logic behind the choices that need to be made. What would you recommend?

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 2520.03 recommended

POLI 3596 Explaining Global Conflict and Violence

CREDIT HOURS: 3

During a 13-week period in 1994 more than 800,000 people were killed in Rwanda -- that number exceeds the combined total of Canadian and American military casualties in both World War I and II. Between 1990-95, 250,000 people died in the Balkans -- the equivalent of one US Oklahoma bombing disaster (168 casualties) every day for four years. Large-scale violence associated with inter-state and intra-state conflict and war continues to have undeniable relevance for all of humanity. Given the rise of ethnic conflicts in Europe and proliferation of advanced weapons technology world wide, providing answers to pressing questions about the onset and escalation of war is becoming more, not less, imperative in the aftermath of the Cold War. Unfortunately, notwithstanding years of inquiry into the nature and origins of war, it remains unclear whether we've produced any definitive knowledge. This seminar is designed, in part, to provide students with a comprehensive (and critical) review of answers to questions about the onset, escalation and de-escalation of violent conflict.

FORMAT: Seminar

PREREQUISITE: POLI 2520.03/POLI 2530.03

POLI 3601X/Y Readings in Political Science

CREDIT HOURS: 6

A full-year reading course, taught only by special arrangement between individual students and individual instructors. SIGNATURE REQUIRED.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

CROSS-LISTING: POLI 5601.06

POLI 3602 Readings in Political Science

CREDIT HOURS: 3

A one-term reading course, taught only by special arrangement between individual students and individual instructors. SIGNATURE REQUIRED.

CROSS-LISTING: POLI 5602.03

POLI 3603 Readings in Political Science

CREDIT HOURS: 3

A one-term reading course, taught only by special arrangement between individual students and individual instructors. SIGNATURE REQUIRED.

CROSS-LISTING: POLI 5603.03

POLI 3810 Special Topics

CREDIT HOURS: 3

An examination of selected issues in Political Science. This course explores (e.g., when a visiting scholar is on campus) a special topic that is not a regular offering of the department. It is taught as a lecture or seminar course, not as an independent studies course. Since the topics covered in these courses differ from year to year, students should seek further information from the Political Science Department before registering. The subject matter in this course will be explored in greater depth than a course offered under POLI 2810.03/POLI 2820.03

SIGNATURE REQUIRED. NOTE: Course Details listed here also apply to POLI 3820.

PREREQUISITE: Permission of the instructor.

POLI 3820 Special Topics

CREDIT HOURS: 3

See POLI 3810.

POLI 4204X/Y Advanced Seminar in Canadian Politics

CREDIT HOURS: 6

This senior seminar will take an in-depth and critical look at the major issues and institutions in Canadian politics and government. Topics include: the concentration of power; parliamentary governance; constitutional politics; party and electoral systems; and, the role of the mass media and pressure groups. SIGNATURE REQUIRED.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Permission of Instructor

CROSS-LISTING: POLI 5204X/Y.06

RESTRICTIONS: Restricted to Students in their fourth year.

POLI 4207 Canadian Politics: Themes and Theories

CREDIT HOURS: 3

This senior seminar will take an in-depth and critical look at the major issues and institutions in Canadian politics and government. Topics include: the concentration of power; parliamentary governance; constitutional politics; party and electoral systems; and, the role of the mass media and pressure groups.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor.

CROSS-LISTING: POLI 5207.03

EXCLUSIONS: POLI 4204.03

POLI 4228 Pressure Politics in Canada: Opportunities and Obstacles

CREDIT HOURS: 3

The goal of this seminar is to explore the opportunities for and obstacles to advocacy politics in Canada. We analyze the strategies that pressure groups use to engage the most important loci of power in the Canadian political system; parliament, the public service and the courts.

FORMAT: Seminar

CROSS-LISTING: POLI 5228.03, PUAD 6505.03

EXCLUSIONS: POLI 3228.03

POLI 4232 Urban Governance in Canada

CREDIT HOURS: 3

The objective of this course is to provide students with the empirical, analytical, theoretical, and methodological tools to understand and explain the politics and policy activities of Canada's urban and suburban municipalities within their socioeconomic, institutional, and Constitutional contexts. A major concern is to evaluate how effectively and equitably city governments in Canada have responded to contemporary urban challenges. The course adopts a critical perspective on urban governance and engages with contemporary debates concerning municipal governance reform and the evolving nature of urban governance within Canadian federalism.

FORMAT: Seminar

PREREQUISITE: POLI 3220.03 or POLI 3232.03 or permission of instructor

EXCLUSIONS: POLI 3231/5231

POLI 4234 Canadian Urban Politics in Comparative Perspective

CREDIT HOURS: 3

This course examines the politics and governance of Canadian cities from a comparative perspective. More specifically, the course uses comparative method in three ways: it asks what one can learn from comparing Canadian cities with each other (subnational comparisons), what cross-national comparisons of Canadian cities can teach as well as compares Canadian cities implicitly with other cities by applying theories of urban politics and development that have been developed elsewhere to Canadian cities. The objective of this course is to provide advanced political science students with the theoretical, empirical and methodological tools to understand and explain the political development of Canadian cities.

FORMAT: Seminar

PREREQUISITE: POLI 3220.03 or POLI 3232.03 or permission of instructor

CROSS-LISTING: POLI 5234.03

POLI 4240 Policy Formulation in Canada

CREDIT HOURS: 3

This course provides a general introduction to the field of policy management, for graduate and honours undergraduate students. Using British 'best practice' ideas of professional policy making and Canadian statements of generic policy competencies, it seeks to improve the policy capacity of participants. It does this first by increasing their knowledge of public policy structures, processes, and outputs, and secondly, by giving them knowledge that they can use in policy advocacy both inside and outside government. The first section of the course examines policy definitions and professional policy making approaches in the 21st century. The second section considers the role of the state in the 21st century, and the policy competencies that analysts must have is that role is to be carried out effectively. Section three explores vertical, horizontal and external policy relationships, both as determinants of policy and as practical matters of management. Section four explores, and helps participants to gain proficiency in, the most recent processes of strategic policy design and implementation. This blend of theory and practice will increase the policy knowledge of all participants, and equip those who are in professional programs, including the various public services, to contribute more effectively policy processes in the future. SIGNATURE REQUIRED.

FORMAT: Seminar

PREREQUISITE: Open to Honours students only. Permission of instructor

CROSS-LISTING: POLI 5240.03, PUAD 5120.03

POLI 4241 Introduction to Policy Analysis

CREDIT HOURS: 3

This course examines four aspects of policy analysis: (1) The role of the analyst in modern government; (2) The analyst's working environment; (3) Techniques used in carrying out research and preparing position papers; (4) and the analyst's responsibilities to government and to the public in determining what information should reach decision-makers. Approved with Canadian Studies. SIGNATURE REQUIRED.

FORMAT: Seminar

PREREQUISITE: POLI 4240.03 or permission of the instructor.

CROSS-LISTING: POLI 5241.03, PUAD 5121.03

POLI 4242 Political Behaviour: Reason, Passion, Biology

CREDIT HOURS: 3

Does reason or passion drive politicians and citizens to act as they do? Or does the dichotomy between the mind and the heart disguise a more fundamental biological basis to political behavior? Do these approaches leave any room for citizens to exercise their own judgment, or is autonomy lost altogether? Normative questions of justice, equality, and freedom are deeply embedded within each approach and must be confronted as they apply in practice. Although this material is inherently global and comparative, we principally want to investigate how it applies to Canada.

FORMAT: Seminar

POLI 4250 Canadian Public Administration

CREDIT HOURS: 3

This course examines the organization and management of the executive-bureaucratic structures of government for the formulation and management of public policy and public services. It considers the design and operation of the cabinet system and ministerial portfolios; relations between ministers and the career public service; policy and budgetary processes; and, the structural designs of departments, agencies, crown corporations and regulatory commissions. A major focus will be the effects of the new public management on public administration, as governments in Canada, as elsewhere, seek to cope with budgetary restraints, increased demands for quality services and public participation, and greater effectiveness in securing results. Approved with Canadian Studies.

FORMAT: Lecture| Discussion

PREREQUISITE: POLI 2210.03.03/2220.03 or permission of the instructor.

CROSS-LISTING: POLI 5250.03

EXCLUSIONS: POLI 3250.03, POLI 3251.03

POLI 4260 The Politics of Health Care

CREDIT HOURS: 3

Because of its nature as both a public institution and a political icon, the Canadian healthcare system is an inherently political institution which cannot be understood without a clear comprehension of both its composition and its relationship to the broader political landscape in Canada. This course will provide a survey of the political and theoretical debates within the area of healthcare in Canada, including investigations of federalism, funding, and governance.

FORMAT: Seminar

PREREQUISITE: 60 credit hours of previous coursework

CROSS-LISTING: POLI 5260.03

EXCLUSIONS: POLI 3260.03

POLI 4302 Comparative Development Administration

CREDIT HOURS: 3

This course examines analytical, normative and political issues of public administration in developing countries. It considers the scope of development administration as a sub-field of public administration; public sector organization and management including public services, public enterprises, decentralization and rural development, financial systems, human resource management, aspects of state economic management (with the use of case studies) and institutional aspects of aid administration (with CIDA and World Bank cases).

FORMAT: Seminar

PREREQUISITE: POLI 2300.06 or permission of the instructor.

CROSS-LISTING: POLI 5302.03, PUAD 6780.03

EXCLUSIONS: POLI 3302.03

POLI 4303 Human Rights: Political Issues

CREDIT HOURS: 3

This course will introduce students to the evolving place of human rights in politics, both comparative and international. We begin by examining the historic emergence of human rights as an issue in world politics, principally since the Second World War, and their conceptual foundations. We then focus on a number of specific topics and controversies concerning human rights in world politics, including: the sources of and struggle to end human rights-abusive regimes; the multilateral politics of human rights; human rights in national foreign policies; the rights of indigenous peoples; genocide, humanitarian intervention; and the responsibility to protect; and the relationship between globalization and human rights, and the 'Global War on Terrorism' and human rights. Finally we look at the role of human rights in domestic politics, focusing on the issues of women's rights and sexual orientation.

FORMAT: Seminar

PREREQUISITE: POLI 2300X/Y.06 , POLI 2520.03/ POLI 2530.03 or POLI 3505.03 or permission of the instructor.

CROSS-LISTING: POLI 5303.03

EXCLUSIONS: POLI 3303.03

POLI 4322 The EU as a Global Actor

CREDIT HOURS: 3

The aim is to enable the student to analyze and understand the international roles played by the EU in both economic and political areas. Why has the EU been better able to speak with one voice in economic areas than political areas? To what extent can the member states control the foreign policies of the EU? The introductory part will include an overview of the EU governance systems in the area of external economic relations (first pillar) and the Common Foreign and Security Policy (the second pillar) and analyses of the main achievements in both areas. Specific topics to be selected for analyses during the second part will include the EU and the WTO, the EU and the US, the EU and the East Asia, and the EU and developing countries. Finally, in the third part of the course students study recent efforts to develop a European Security and Defence Policy.

FORMAT: Seminar

PREREQUISITE: POLI 2520.03 or 2530.03 or permission of instructor

CROSS-LISTING: POLI 5322.03

EXCLUSIONS: POLI 3322.03

POLI 4340 Approaches to Development

CREDIT HOURS: 3

A survey of theories of and policies about dependence, underdevelopment and peripheral social formations. Particular emphasis on modernization, materialist, and alternative modes of analysis, and on orthodox and radical strategies of development. Topics treated include social contradictions (e.g. class, race and ethnicity), debt, structural adjustment, human development, human security, gender, technology, civil society, informal sectors, democratization and ecology.

FORMAT: Seminar

PREREQUISITE: By permission of the instructor.

EXCLUSIONS: POLI 3340.03

POLI 4355 Comparative Perspectives on the Development State

CREDIT HOURS: 3

This course examines development in a broad regional comparative context to determine whether endogenous or exogenous conditions account for the success with which the North/Southeast Asian economies have been transformed vis-a-vis Latin America and Africa. The course compares the "development state" model across the developing world, by briefly focusing on three distinct cases - South Africa, Malaysia and Brazil - as "upwardly mobile" late industrialisers.

FORMAT: Seminar

PREREQUISITE: POLI 2300.06 or POLI 2520.03 and POLI 2530.03 or permission of the instructor.

CROSS-LISTING: POLI 5355.03

EXCLUSIONS: POLI 3355.03

POLI 4380 Politics of Climate Change

CREDIT HOURS: 3

This course examines the interactions between politics and a changing climate. Core questions include: What lies behind political disagreements over how to respond to climate change? What does climate change mean for various political, social, and economic projects? Topics include: the role of science and economics in climate politics; the new "climate capitalism"; non-capitalist alternatives that question growth and consumerism while emphasizing "climate justice"; Canada's particular difficulties in addressing climate change; climate politics at the personal level; international climate negotiations; and the politics of geo-engineering.

FORMAT: Lecture| Seminar

PREREQUISITE: POLI 3385 or permission of the instructor.

EXCLUSIONS: POLI 3380 Politics of Climate Change

POLI 4403 Human Rights: Philosophical Issues

CREDIT HOURS: 3

An examination of the historical and conceptual development of human rights, this course looks specifically at normative and political issues involved in the emergence of human rights from the 13th century to present. It covers the shift from natural law to natural right, the emergence of states, rights to sovereign governance, and the development of specific classes of rights (including freedom of conscience, property rights, women's rights, cultural rights, animal rights, and socioeconomic rights).

FORMAT: Seminar

PREREQUISITE: POLI 2410.03 or POLI 2420.03 or POLI 3505.03, or permission of the instructor.

CROSS-LISTING: PHIL 3470.03, POLI 5403.03

EXCLUSIONS: POLI 3403.03

POLI 4427 Queer Theory

CREDIT HOURS: 3

This course provides an overview of the general questions and debates -- and the philosophical, political and cultural contexts—of the interdisciplinary field that is now known as ‘Queer Theory.’ It will profile a wide selection of foundational writings by leading scholars and contributors to GLBT thought and activism. Examining topics such as difference, identity, discrimination, and equality, we will address its articulations critical race theory, feminist philosophy, and critical analyses of political economy. We will also address the significance of queer theory to GLBT equality activism, attending to the relationship between political thought and legislative practice in addressing institutionalized heteronormativity and the public expressions of homophobia, transphobia, sexism, and racism and their impact on social policy.

CROSS-LISTING: GWST 4427.03

POLI 4440 The Politics of Affect: Theories of Emotion and Political Life

CREDIT HOURS: 3

This course draws on recent developments in the burgeoning of field of affect studies to address the relation of both conscious and non-conscious emotive experience to public and political life. Drawing on the insights and scholarship from different disciplines, we will examine the social, political and cultural theories of affect, emotion, and aesthetics to explore their role in political decision-making and public responses. Topics will include the affective logic of public threat, the cultural politics of emotion such as fear and shame; sensorial responses to moralistic rhetoric; visceral responses to social groups and/or cultural practices. We will also look at how sensibility, feeling, and affect have operated in social and political movements, including a consideration of emotions such as fear, disgust, and distain, and compassion in social conflict, and in the formative approaches to retribution and reconciliation.

FORMAT: Seminar

PREREQUISITE: 1000-level course in Political Science and 60 credit hours, or permission of instructor

CROSS-LISTING: POLI 5440.03

ASSESSMENT METHOD: Two essays, one test, participation

POLI 4479 Liberalism

CREDIT HOURS: 3

Liberalism takes a variety of forms and includes many topics including the rule of law, limited government, the free exchange of goods, entitlement to property, the self, and individual rights. Its philosophical and political assumptions provide the intellectual context within which its account of the individual, its vision of the community and its preferred allocation of resources will be assessed. SIGNATURE REQUIRED.

FORMAT: Seminar

PREREQUISITE: Normally, courses in philosophy or political science or economics: consult instructor.

CROSS-LISTING: PHIL 4470.03/5470.03, ECON 4446.03/5446.03, POLI 5479.03

POLI 4481 Theories of Violence, Persecution, Genocide

CREDIT HOURS: 3

This course will provide an overview of contemporary theoretical approaches to systemic violence, particularly against racial, ethnic, and sexuality minorities. Through a selection of historical and contemporary case studies, it will assess different accounts and explanatory frameworks for understanding the instigation and exacerbation of persecution and genocide. Attending to the role of the state and state policies in the history of violence, it will examine the discourses and practices that have both fuelled and justified the colonization of native peoples, enslavement of racial groups, the holocaust, and ethnic cleansing in the 20th century genocides. We will also consider the recent attempts of the international community to prevent, deter, and curb genocidal outbreaks, and the theoretical assumptions about human behaviour that underpin them.

FORMAT: Seminar

PREREQUISITE: 2000-level course in Political Science or permission of the instructor

CROSS-LISTING: POLI 5481.03

POLI 4512 The Politics of North America

CREDIT HOURS: 3

North America has become increasingly integrated over the last thirty years--economically, demographically, and even politically. This course will review the history of regional integration in North America, and consider a number of contemporary policy controversies. It bridges sub-disciplinary boundaries by looking at both domestic policy-making (Comparative Politics) and at bargaining between the three countries (International Relations).

FORMAT: Seminar

PREREQUISITE: 2000 or 3000-level course in International Relations or permission of instructor

POLI 4521 Theories of International Relations I: Security Studies

CREDIT HOURS: 3

4521 and 4522 are independent courses that are conceptually closely related. This relationship is partially based on the more general division within IR between “Security Studies” and International Political Economy (IPE). POLI 5421 sets things up by reviewing the broadest theoretical debates within the field, with an emphasis on questions of power and order, and looks at theoretical work which focuses on political/military issues like deterrence, balancing, and the meaning of “national security.” POLI 4522 begins with theoretical debates over cooperation and institutions, and is empirically anchored in various aspects of IPE, including trade, finance, and development.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor.

CROSS-LISTING: POLI 5421.03

EXCLUSIONS: POLI 4520.06

POLI 4522 Theories of International Relations II: International Political Economy

CREDIT HOURS: 3

4521 and 4522 are independent courses that are conceptually closely related. This relationship is partially based on the more general division within IR between “Security Studies” and International Political Economy (IPE). POLI 5421 sets things up by reviewing the broadest theoretical debates within the field, with an emphasis

on questions of power and order, and looks at theoretical work which focuses on political/military issues like deterrence, balancing, and the meaning of “national security.” POLI 4522 begins with theoretical debates over cooperation and institutions, and is empirically anchored in various aspects of IPE, including trade, finance, and development.

FORMAT: Seminar

PREREQUISITE: Permission of the instructor.

CROSS-LISTING: POLI 5422.03

EXCLUSIONS: POLI 4520.06

POLI 4523 International Relations Theory 1: Order, Conflict and Change

CREDIT HOURS: 3

Explores classic and contemporary debates in International Relations theory, with particular attention to the nature of international order, the bases for war and peace, and the question of transformational change.

FORMAT: Seminar

PREREQUISITE: Permission of instructor

EXCLUSIONS: POLI 5523

POLI 4524 Theories of International Relations 2: Cooperation, Institutions and Development

CREDIT HOURS: 3

Explores classic and contemporary debates in International Relations theory, with particular attention to the bases for international cooperation, the role of law and institutions, and the foundations of political economy.

FORMAT: Seminar

PREREQUISITE: Permission of instructor

EXCLUSIONS: POLI 5524

POLI 4569 Canadian Foreign Policy

CREDIT HOURS: 3

This advanced seminar course is concerned with the 'structure-agent' problem as it applies to Canadian foreign policy. In other words, what are the structures (both material and normative) that shape and constrain the pursuit of Canadian foreign policy; what room for maneuver and initiative is there; and who are the key actors, or the 'agents' who shape and implement Canada's global role? The course discusses these questions through four sections: theoretical and analytical approaches to the study of Canadian foreign policy; the external context; the domestic; and key themes and issues in Canadian foreign policy.

FORMAT: Seminar

PREREQUISITE: POLI 2210 or POLI 2220 or POLI 2520 or POLI 2530 or POLI 3568 or POLI 3569 or POLI 3570 OR Permission of instructor

CROSS-LISTING: POLI 5569.03

EXCLUSIONS: POLI 3569.03, POLI 3570.06 or POLI 5570.06

POLI 4575 Nuclear Weapons and Arms Control in World Politics

CREDIT HOURS: 3

The seminar examines the technological, doctrinal, and political aspects of the nuclear weapons “problem” and the arms control “solution”. It also assesses the fate of contemporary nuclear arms control efforts.

FORMAT: Seminar

PREREQUISITE: POLI 2520 or POLI 2530 or POLI 3576 or POLI 3581 or POLI 3596 or permission of instructor

CROSS-LISTING: POLI 5575.03

EXCLUSIONS: POLI 3575.03

POLI 4581 International Diplomacy: Institutions and Practices

CREDIT HOURS: 3

This course considers the historical evolution of international diplomacy. Among the themes reviewed are the emergence of national states, sovereignty norms, human rights and norms governing military intervention, the growth of international law and institutions, and the prospects for global governance. The course features extensive student participation, an emphasis on writing, and a negotiation simulation.

FORMAT: Seminar

PREREQUISITE: POLI 2520.03, POLI 2530.03 or other international relations course

CROSS-LISTING: POLI 5581.03

POLI 4587 International Political Economy

CREDIT HOURS: 3

This course is composed of two overlapping constituent themes. The first theme is that of competing explanations of international political economic behaviour - behaviour affected by that diffuse political authority characteristic of the international system, the second, that of examining the basic issues in international political economy - the fundamental questions as to why international trade, international finance, unequal economic development, international organization, and the multinational enterprise. The first theme functions to create the over-all framework of analysis by which competing approaches to international political economy can be evaluated. The second theme will integrate these approaches with issue areas within the fields of international trade, international finance, and what might be termed "international production" (within which fields issues such as economic development, the multinational enterprise, and the global "division of labour" constitute the major foci). The course sessions will roughly be constituted by 50 percent lecture and 50 percent organized student contributions for seminar discussion and debate.

FORMAT: Seminar

PREREQUISITE: POLI 2520.03 or POLI 2530.03. Students should feel comfortable with economic theory as well, otherwise by permission of the instructor.

EXCLUSIONS: POLI 3587.03

POLI 4590 Politics of the Sea II

CREDIT HOURS: 3

This course will examine environmental, political and economic forces which affect contemporary ocean governance and management. Contemporary issues will be used to explore the geo-political ocean on a sectoral basis (transportation, fisheries and resources, military, etc.), as well as analyzing the evolution of national oceans policies and institutions.

FORMAT: Lecture| Seminar

CROSS-LISTING: POLI 5595.03, MARA 5589.03

RESTRICTIONS: to 4th year Political Science Honours students
EXCLUSIONS: POLI 3590.03

POLI 4600X/Y Honours Essay

CREDIT HOURS: 6

Political Science undergraduates in the Honours program are required to attend the Honours seminar as scheduled. This seminar is designed as a research seminar for Honours students.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

RESTRICTIONS: Restricted to Political Science Honours students in their final year.

POLI 4636 Nationalism and Statecraft

CREDIT HOURS: 3

An examination of the sources, ingredients and consequences of contemporary nationalism, with particular reference to its implications for the conduct of international politics. In the early sessions of the course, pertinent literature from the pre-World War II period will be evaluated for its relevance to our understanding of current circumstances, in which the apparent revival of nationalist impulses has coincided with intensifying manifestations of functional interdependence. SIGNATURE REQUIRED.

FORMAT: Seminar

PREREQUISITE: 3000-level course in International Relations or permission of instructor

CROSS-LISTING: POLI 5636.03

RESTRICTIONS: Restricted to students in their fourth year

POLI 4810 Special Topics in Political Science

CREDIT HOURS: 3

An examination of selected issues in Political Science. This course explores (e.g., when a visiting scholar is on campus) a special topic that is not a regular offering of the department. It is taught as a lecture or seminar course, not as an independent studies course. Since the topics covered in these courses differ from year to year, students should seek further information from the Political Science Department before registering. The subject matter in this course will be explored in greater depth than a course offered under 3810.03/3820.03

FORMAT: Seminar

POLI 4820 Special Topics in Political Science

CREDIT HOURS: 3

An examination of selected issues in Political Science. This course explores (e.g., when a visiting scholar is on campus) a special topic that is not a regular offering of the department. It is taught as a lecture or seminar course, not as an independent studies course. Since the topics covered in these courses differ from year to year, students should seek further information from the Political Science Department before registering. The subject matter in this course will be explored in greater depth than a course offered under 3810.03/3820.03

FORMAT: Seminar

Religious Studies

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1172

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3468

Fax: (902) 494-2467

Website: arts.dal.ca/

Email Address: claswww@dal.ca

Note

Courses in Religious Studies are administered by the Classics Department.

Introduction

Religion is a phenomenon virtually universal in human society and history. Understanding religion involves grasping simultaneously both the meaning of faith in the lives of participants, and the critical analysis of outside observers. Both the student wishing enhanced understanding of religion as an historical, and social and human fact, and the student who wishes to wrestle with problems arising in academic reflection concerning the relation between the personal and the objective, can find material to engage them in the programs and courses described below.

Degree Programs

In addition to the departmental requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Hankey, W. J. (902 494-3468)

Undergraduate Advisor

Treiger, A. (902 494-3493)

Professor Emeritus

Ravindra, R., BSc, MTech (IIT), MA (Dalhousie), MSc, PhD (Toronto), Adjunct Professor of Physics

Associate Professor

Austin, C., BA, MA (Concordia), PhD (McMaster)

Treiger, A., BA, MA (Jerusalem), MPhil, PhD (Yale)

BA (120 credit hour) Major in Religious Studies

Departmental Requirements

Students must complete a minimum of 36 credit hours or a maximum of 54 credit hours in Religious Studies beyond the 1000 level including 18 credit hours beyond the 2000 level. They must include:

1. At least six credit hours selected from RELS 1001.03, RELS 1002.03, or RELS 1200.06. This requirement may be relaxed at the discretion of the Department. The King's Foundation Year Program satisfies it.
2. At least 12 credit hours selected from RELS 2001.03, RELS 2003.03, RELS 2011.03, RELS 2012.03, RELS 2013.03, RELS 2025.03, RELS 2026.03, RELS 2027.03, RELS 2052.03, RELS 2203.03, RELS 2220.03, RELS 2281.03.
3. At least 15 credit hours in RELS at the 3000 level or higher. Of these 15 credit hours, 12 must be chosen from the following: RELS 3000.03, RELS 3009.03, RELS 3012.03, RELS 3018.03, RELS 3019.03, RELS 3100.03, RELS 3101.03, RELS 3111.03, RELS 3112.03, RELS 3113.03, RELS 3282.03, RELS 3283.03, RELS 3381.03, RELS 3382.03, RELS 3411.03, RELS 3412.03, RELS 3432.03, RELS 3661.03, RELS 3662.03, RELS 3910.06, RELS 4010.03, RELS 4011.03, RELS 4018.03, RELS 4019.03, RELS 4450.06.

BA (120 credit hour) Double Major in Religious Studies

Students must complete the Faculty requirements for a double major. These include 60 to 84 credit hours in the Major subjects at the 2000 level or higher, with no more than 48 credit hours and no fewer than 30 credit hours in each subject, including at least 12 credit hours beyond the 2000 level in each of the two major subjects.

Religious Studies requires:

1. At least six credit hours selected from RELS 1001.03, RELS 1002.03, or RELS 1200.06. This requirement may be relaxed at the discretion of the Department. The King's Foundation Year Program satisfies it.
2. At least 12 credit hours selected from RELS 2001.03, RELS 2003.03, RELS 2011.03, RELS 2012.03, RELS 2013.03, RELS 2025.03, RELS 2026.03, RELS 2027.03, RELS 2052.03, RELS 2203.03, RELS 2220.03, RELS 2281.03.

- At least 12 credit hours in RELS at the 3000-level or higher. Of these 12 credit hours, nine must be chosen from the following: RELS 3000.03, RELS 3009.03, RELS 3012.03, RELS 3018.03, RELS 3019.03, RELS 3100.03, RELS 3101.03, RELS 3111.03, RELS 3112.03, RELS 3113.03, RELS 3120.03, RELS 3282.03, RELS 3283.03, RELS 3381.03, RELS 3382.03, RELS 3411.03, RELS 3412.03, RELS 3432.03, RELS 3661.03, RELS 3662.03, RELS 3910.06, RELS 4010.03, RELS 4011.03, RELS 4018.03, RELS 4019.03, RELS 4450.06

BSc (120 credit hour) Double Major, Second Subject in Religious Studies

Students must complete the Faculty requirements for a double major. Religious Studies can only be the second subject, with no fewer than 30 credit hours and no more than 54 credit hours above the 1000 level. 12 credit hours must be at the 3000 level or higher. Religious Studies requires:

- At least six credit hours selected from RELS 1001.03, RELS 1002.03, or RELS 1200.06. This requirement may be relaxed at the discretion of the Department. The King's Foundation Year Program satisfies it.
- At least 12 credit hours selected from RELS 2001.03, RELS 2003.03, RELS 2011.03, RELS 2012.03, RELS 2013.03, RELS 2025.03, RELS 2026.03, RELS 2027.03, RELS 2052.03, RELS 2203.03, RELS 2220.03, RELS 2281.03.
- At least 12 credit hours in RELS at the 3000-level or higher. Of these 12 credit hours, nine must be chosen from the following: RELS 3000.03, RELS 3009.03, RELS 3012.03, RELS 3018.03, RELS 3019.03, RELS 3100.03, RELS 3101.03, RELS 3111.03, RELS 3112.03, RELS 3113.03, RELS 3282.03, RELS 3283.03, RELS 3381.03, RELS 3382.03, RELS 3411.03, RELS 3412.03, RELS 3432.03, RELS 3661.03, RELS 3662.03, RELS 3910.06, RELS 4010.03, RELS 4011.03, RELS 4018.03, RELS 4019.03, RELS 4450.06

BA (120 credit hour) Combined Honours in Religious Studies

Students must complete the Faculty requirements for the combined honours degree. At least 30 credit hours and no more than 48 credit hours must be in Religious Studies above the 1000 level. At least 66 credit hours and no more than 84 credit hours are to be in both subjects beyond the 1000 level.

The Religious Studies requirements are:

- At least six credit hours selected from RELS 1001.03, RELS 1002.03, or RELS 1200.06. This requirement may be relaxed at the discretion of the Department. The King's Foundation Year Program satisfies it.
- At least 12 credit hours selected from RELS 2001.03, RELS 2003.03, RELS 2011.03, RELS 2012.03, RELS 2013.03, RELS 2025.03, RELS 2026.03, RELS 2027.03, RELS 2052.03, RELS 2203.03, RELS 2220.03, RELS 2281.03
- At least 15 credit hours in RELS at the 3000-level or higher. Of these 15 credit hours, 12 must be chosen from the following: RELS 3000.03, RELS 3001.03, RELS 3009.03, RELS 3012.03, RELS 3018.03, RELS 3019.03, RELS 3100.03, RELS 3101.03, RELS 3111.03, RELS 3112.03, RELS 3113.03, RELS 3120.03, RELS 3282.03, RELS 3283.03, RELS 3381.03, RELS 3382.03, RELS 3411.03, RELS 3412.03, RELS 3661.03, RELS 3662.03, RELS 3910.06, RELS 4010.03, RELS 4011.03, RELS 4018.03, RELS 4019.03, RELS 4450.06
- Outside Religious Studies six credit hours will be required from the following list: ARBC 1020.06 (Arabic), CHIN 1030.06 (Mandarin), CLAS 1600.03 (Sanskrit I), CLAS 1800.06 (Latin), CLAS 1900.06 (Classical Hebrew), CLAS 2600.03 (Sanskrit II). Students may substitute a more advanced course in these languages for this requirement.
- Completion of the Religious Studies Honours Examination (RELS 0400.00) if the first subject is Religious Studies.

BSc (120 credit hour) Combined Honours, Second Subject in Religious Studies

Students must complete the Faculty requirements for the combined honours degree. Religious Studies can be the second subject only. At least 30 credit hours and no more than 42 credit hours, must be in Religious Studies above the 1000 level. At least 66 credit hours, to a maximum of 84 credit hours are to be in both subjects.

The Religious Studies requirements are:

- At least six credit hours selected from RELS 1001.03, RELS 1002.03, or RELS 1200.06. This requirement may be relaxed at the discretion of the Department. The King's Foundation Year Program satisfies it.
- At least 12 credit hours selected from RELS 2001.03, RELS 2003.03, RELS 2011.03, RELS 2012.03, RELS 2013.03, RELS 2025.03, RELS 2026.03, RELS 2027.03, RELS 2052.03, RELS 2203.03, RELS 2220.03, RELS 2281.03.
- At least 15 credit hours in RELS at the 3000-level or higher. Of these 15 credit hours, 12 must be chosen from the following: RELS 3000.03, RELS 3001.03, RELS 3009.03, RELS 3012.03, RELS 3018.03, RELS 3019.03, RELS 3100.03, RELS 3101.03, RELS 3111.03, RELS 3112.03, RELS 3113.03, RELS 3120.03, RELS 3282.03, RELS 3283.03, RELS 3381.03, RELS 3382.03, RELS 3661.03, RELS 3662.03, RELS 3910.06, RELS 4010.03, RELS 4011.03, RELS 4018.03, RELS 4019.03, RELS 4450.06.
- Outside Religious Studies six credit hours will be required from the following list: ARBC 1020.06 (Arabic), CHIN 1030.06 (Mandarin), CLAS 1800.06 (Latin), CLAS 1600.03 (Sanskrit I), CLAS 1900.06 (Classical Hebrew), CLAS 2600.03 (Sanskrit II). Students may substitute a more advanced course in these languages for this requirement.

Minor in Abrahamic Religions

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students declaring a Minor in the Abrahamic Religions will complete a minimum of 18 credit hours at the 2000 level or above to a maximum of 27 credit hours, chosen from the lists below. At least three credit hours must be taken from each of the Judaism, Christianity and Islam lists; RELS 3019 and RELS 3382 may each be used to satisfy parts of this requirement.

Judaism courses

- RELS 2001.03: Judaism
- RELS 2220.03: Ancient Israel
- RELS 3018.03: Meetings between Hellenism and the East to Philo the Jew
- ARBC 3050.03: Arabic Philosophical Texts: Maimonides or RELS 4011.03: Jewish Philosophy: Maimonides
- RELS 4019.03: Philo Judaeus

Christianity courses

- RELS 2281.03: Christian Beginnings: The Orthodox and Oriental Churches
- RELS 2282.03: Christian Beginnings: Catholicism
- RELS 3009.03: Christianity in the Lands of Islam
- RELS 3381.03: Medieval Philosophy from Anselm to Augustine
- RELS 3411.03: St. Augustine's Confessions I
- RELS 3412.03: St. Augustine's Confessions II
- RELS 3431.03: St. Augustine's On the Trinity Part I
- RELS 3432.03: St. Augustine's On the Trinity Part II
- CLAS 3841.03: Latin Philosophical Texts: Aquinas Texts
- CLAS 3842.03: Latin Philosophical Texts: Anselm and Bonaventure Texts
- CLAS 4070.03: The Confessions in Latin
- CLAS 4400.06: Philosophy of the Church Fathers
- CLAS 4018.03: Christian Theology in Islamic Lands: John of Damascus

Islam courses

- RELS 2003.03: Islam
- RELS 2052.03: Cultural Introduction to the Arab World
- ARBC 3040.03: Arabic Philosophical Texts: al-Ghazali

Or

- RELS 4010.03: Islamic Philosophy: al-Ghazali
- RELS 3003.03: Islam and the Others
- RELS 3012.03: Mystics of the Middle East
- RELS 2503.03: Classical and Medieval History of Islamic Civilization
- RELS 3510.03: Sultans and Shahs: Polity and Religion in the Islamic Gunpowder Age.
- CLAS 3602.03: Classical and Medieval History of the Persianate World

Bridging courses

- RELS 2203.03: Philosophy and God
- RELS 3000.03: Topics in Religious Studies
- RELS 3019.03: Meetings between Hellenism, Judaism, Christianity, and Islam until the Renaissance
- RELS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- RELS 3910.06: Neoplatonism: Plato and Neoplatonism
- RELS 4450.06: Medieval Interpreters of Aristotle
- CLAS 4500.06: Seminar on Neoplatonism

Note: Not all courses are offered each year. Please consult with the timetable for courses offered.

Minor in Middle East Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Students minoring in Middle East Studies select a minimum of 18 to a maximum of 27 credit hours from the list below. Student are required to take one of the following:

- HIST 2502.03: The Ottoman Empire
- HIST 2503.03/RELS 2503.03: Classical and Medieval History of Islamic Civilization
- HIST 2504.03: History of Modern Middle East
- RELS 2001.03: Judaism
- RELS 2003.03: Islam

At least three credit hours must be at the 3000 or 4000 level. Please note that not all courses are offered each year.

Second Year

- ARBC 2020X/Y.06: Intermediate Arabic
- ARBC 2100.03/HIST 2500.03/HIST 2500.03/RELS 2052.03: A Cultural Introduction to the Arab World
- RELS 2053.03/GWST 2053.03: Women and Islam
- CLAS 2100X/Y.06: Ancient Mythology
- CLAS 2216.03/HIST 2089.03: Alexander the Great
- CLAS 2220.03/HIST 2520.03/RELS 2220.03: Ancient Israel
- CLAS 2281.03/RELS 2281.03: The Orthodox and Oriental Churches
- CLAS 2900X/Y.06: Intermediate Hebrew
- HIST 2502.03: The Ottoman Empire
- HIST 2503.03/RELS 2503.03: Classical and Medieval History of Islamic Civilization
- HIST 2504.03: History of the Modern Middle East
- HIST 2505.03: Modern History of Iraq
- RELS 2001.03: Judaism
- RELS 2003.03: Islam

Third Year

- ARBC 3030.03: Advanced Arabic
- ARBC 3031.03: Advanced Arabic II (Readings)
- ARBC 3040.03: Arabic Philosophical Texts (al-Ghazali)
- ARBC 3050.03: Arabic Philosophical Texts (Maimonides)
- ARBC 3100.03: Arabic Pre Islamic Poetry
- CLAS 3016.03/HIST 3016.03/RELS 3018.03: Meetings between Hellenism and the East to Philo the Jew
- CLAS 3017.03/HIST 3017.03/RELS 3019.03: Meetings between Hellenism, Judaism, Christianity and Islam
- CLAS 3021.03: Ancient Art and Architecture
- CLAS 3382.03: Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas
- CLAS 3501.03: Herodotus
- CLAS 3502.03/HIST 3502.03: Thucydides and the Greek World at War
- HIST 3509.03/CLAS 3601.03: Arab Caliphs, Turkish Commanders, Persian Viziers, 750-1200
- HIST 3510.03/RELS 3510.03: Sultans and Shahs, 1500-1800
- HIST 3511.03/CLAS 3602.03: Ancient and Medieval History of the Persianate World
- HIST 3512.03: Modern History of Iran
- HIST 3513.03: From Cairo to Capetown
- HIST 3515.03: Food for Thought
- RELS 3001.03: Islam and Others
- RELS 3009.03: Christianity in the Lands of Islam
- RELS 3012.03: Mystics of the Middle East

Fourth Year

- CLAS 4011.03/RELS 4011.03: Jewish Philosophy: Maimonides
- CLAS 4018.03/RELS 4018.03: John of Damascus
- CLAS 4019.03/RELS 4019.03: Philo Judaeus
- CLAS 4525X/Y.06/HIST 4525X/Y.06: The World of Herodotus
- HIST 4510.03: Topics in Middle Eastern and Islamic History
- HIST 4545.03: Scripture and Statecraft: History of Islamic Political Thought
- HIST 4550.03: Orientalism and Occidentalism
- HIST 4555.03: Arab Intellectuals and their Ideologies in the Modern Period
- RELS 4010.03/CLAS 4010.03: Islamic Philosophy: al-Ghazali

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

First year students are not admitted to courses beyond the 1000 level without the consent of the instructor. Courses at the 2000 level do not have prerequisites; in general, they are available only to students in their second year or above. Prerequisites for courses at the 3000 and 4000 levels are listed with each individual course below; in general, they are available only to students in their third year or above in the University.

Course Descriptions

RELS 0400X/Y Religious Studies Honours Examination

CREDIT HOURS: 0

Details available from the department.

PREREQUISITE: Students must be declared as BA Combined Honours Religious Studies, first subject Religious Studies

RELS 1001 Religions of the East

CREDIT HOURS: 3

This course serves as an introduction to the history, beliefs, and practices of Hinduism, Jainism, Sikhism, Buddhism, Daoism, Shinto, and Confucianism.

FORMAT: Lecture

EXCLUSIONS: RELS 1000.06

RELS 1002 Judaism, Christianity, and Islam: The Abrahamic Religions

CREDIT HOURS: 3

This course serves as a comparative and thematic introduction to the history, beliefs, and practices of Judaism, Christianity, and Islam.

FORMAT: Lecture

EXCLUSIONS: RELS 1000.06

RELS 1200X/Y Gods, Heroes, and Monsters: Ancient Mythology

CREDIT HOURS: 6

An introductory survey of the traditional religious narratives of ancient civilizations including Mesopotamia, Egypt, Israel, Greece, and Rome. Of special interest: the function of myth in shaping and expressing a culture's understanding of the divine, the institutions of human community (religion, the family, government), and the natural world; the interrelationships of the myths of those civilizations; the reception of those traditions in the origins of Christian and Islamic culture. The traditional narratives and their broader cultural contexts will be approached through study of primary sources including epic, tragic, and didactic poetry, hymnography, historiography, philosophy, the visual arts, and architecture. This course fulfills the first year writing requirement.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

CROSS-LISTING: CLAS 1100X/Y.06

EXCLUSIONS: CLAS 2100X/Y.06

RELS 1600 Introductory Sanskrit I

CREDIT HOURS: 3

This course provides students with all the basic tools required for the study of Sanskrit, with a particular emphasis on basic Sanskrit grammar. Students will learn the Devanagari script, several common nominal forms and the basics of the verbal system, as well as develop a competency in basic reading and recitation.

CROSS-LISTING: CLAS 1600.03

RELS 2001 Judaism

CREDIT HOURS: 3

An introduction to Jewish beliefs, practices history, and writings from the Hellenistic period to the present. Topics to be covered include: the Torah, the Talmud, the development of the Rabbinic tradition, Jewish philosophy and mysticism.

FORMAT: Lecture| Seminar

RELS 2003 Islam

CREDIT HOURS: 3

An introduction to Muslim beliefs, practices, history and writings from the 7th century to the present. Topics to be covered include: the life and mission of Muhammad, the Qur'an, the Islamic legal, philosophical, and mystical tradition, the development of the Hadith, and the rise of political Islam in the twentieth century.

FORMAT: Lecture| Seminar

RELS 2011 Hinduism

CREDIT HOURS: 3

A basic introduction to Hinduism, including Vedic religion, classical Brahmanical religion, the caste system, bhakti (devotional) traditions and the rise of epic literature,

philosophical traditions and the Upanishads, the theistic traditions of the gods Vishnu and Shiva, and of the goddess Devi.
FORMAT: Lecture| Seminar

RELS 2012 Chinese and Japanese Religions

CREDIT HOURS: 3

An introduction to the cultural, religious, and philosophical traditions of China and Japan. Topics to be covered include: Classical Confucianism, Neo-Confucianism, Philosophical and Religious Daoism, Shinto, Chinese and Japanese Buddhism. The course will also examine the interaction, competition, and overlap between these traditions.

FORMAT: Lecture| Seminar

CROSS-LISTING: CHIN 2060.03

RELS 2013 Buddhism

CREDIT HOURS: 3

This course introduces the student to the Buddhist religious tradition, beginning with its origins and early developments in India and followed by a treatment of key themes of later world Buddhism such as meditation, devotion, monasticism, and ritual. The course thus exposes students to both Buddhism's early Indian doctrinal and institutional dimensions, and to aspects of Buddhism as practiced subsequently in China, Japan, and Tibet.

FORMAT: Lecture| Seminar

CROSS-LISTING: CHIN 2070.03

RELS 2025 Nature, the Human, Community and the Divine in the Pre-Modern West

CREDIT HOURS: 3

What is nature? What is the proper relationship between nature and the human being, political community, and divinity? This course will investigate ancient Greek, Roman, Jewish, Christian and Islamic answers, to this question through the study of literature, philosophy, art and architecture of the Pre-Modern West.

FORMAT: Lecture

CROSS-LISTING: CLAS 2025.03

RELS 2026 Paganism

CREDIT HOURS: 3

"Pagan" originated as a derogatory Christian designation for ignorant conservative rustics who kept to the preChristian religions. We shall look at those religions in their origins, nature, and development in antiquity, their continuations in the Middle Ages and modernity, and their persistence and revival in the contemporary world.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 2026.03

RELS 2027 Magic, Religion and Philosophy

CREDIT HOURS: 3

Reading the Greek Magical Papyri, as well as curse tablets and binding spells for ancient sources, we will explore the intersections of, and relations between, magic, religion, and philosophy in antiquity. The focus will be on both the practical and theoretical aspects of magic in the Greek and Roman worlds.

CROSS-LISTING: CLAS 2027.03

RELS 2052 A Cultural Introduction to the Arab World

CREDIT HOURS: 3

This course provides students with the basic tools for approaching the Arab world from a cultural perspective. The main topics are: 1) the guide marks of Arabic history; 2) a civilization "of the Word": the Arabic language, the Koran, the Tradition of the Prophet Mohammed, and the sciences related to the Islamic Law (shari'a); 3) the Arabic legacy in sciences, philosophy, literature, architecture, calligraphy, decoration, etc; 4) multi-cultural Al-Andalus and the ideal of 'convivencia'; 5) present nostalgia for the past; 6) tradition, modernity and effects of 'Globalization' in the contemporary Arabic "high culture" and "pop culture": in literature, music, arts, cinema, life style, education system, media, etc. Some lectures will be accompanied by audio-visual presentations including documentary films. The course does not require background in Arabic.

FORMAT: Lecture| Discussion

CROSS-LISTING: ARBC 2100.03, HIST 2500.03

RELS 2203 Philosophy and God

CREDIT HOURS: 3

Does God exist? Can God be known? Have a nature? Do evil? Beginning by occupying the same ground as religion, philosophy has asked these questions. Starting with Pythagoras, Empedocles, Plato, Aristotle, Epicurus, and continuing with their pagan, Jewish, Christian, and Islamic followers, we shall learn to state the answers of sages and mystics with historical accuracy and to judge their persuasive power.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 2024

RELS 2205 Philosophy of Religion

CREDIT HOURS: 3

Monotheistic religions (such as Judaism, Christianity, and Islam) assert the existence of a single God. This course addresses philosophical problems posed by traditional monotheism. Why care whether monotheism is true? Why care whether belief in God is rational? Does the rationality of belief in God depend on the evidence for and against God's existence? What is the best evidence for and against? What bearing does God have on human morality?

CROSS-LISTING: PHIL 2205.03

EXCLUSIONS: PHIL 2200X/Y.06

RELS 2208 Science and Medicine in Islamic Societies, 700 - 1500

CREDIT HOURS: 3

Through a combination of primary and secondary source readings, this course explores some of the major trends and debates within science and medicine in Islam from the seventh century till the early modern period. A special emphasis is placed on situating these developments within the larger political, social and institutional structure of Islamic societies.

FORMAT: Seminar

CROSS-LISTING: HSTC 2208.03

RESTRICTIONS: Restricted to students in their second year and above
EXCLUSIONS: HSTC 3610.03 and RELS 3610.03 for the 2010/11 academic year only

RELS 2209 The Roman World from Constantine to Theodosius (312-395)

CREDIT HOURS: 3

This course covers one of the most important periods of Roman history in which Christianity became the dominant religion in the empire and foreign peoples threatened the existence of the empire itself. The course is open to first-year students. There is no foreign language requirement.

FORMAT: Seminar

CROSS-LISTING: HIST 2017.03, CLAS 2209.03

EXCLUSIONS: CLAS 2210X/Y.06, HIST 2004X/Y.06

RELS 2220 Ancient Israel in Her Near Eastern Context

CREDIT HOURS: 3

Students will become familiar with the broad outlines of ancient Israelite history with specific attention to Israel's relationship to her immediate neighbours and the major imperial powers from the 2nd millennium BCE to first century CE. This will entail an initial survey of biblical texts in order to lay an adequate understanding of ancient Israel's self-conception, followed by a detailed survey of Israel's interaction with other nations, including early Mesopotamia, Egypt, Assyria, Babylon, Persia, the Seleucid empire, and Rome.

FORMAT: Lecture| Seminar

CROSS-LISTING: CLAS 2220.03/HIST 2520.03

RELS 2281 Christian Beginnings: The Orthodox and Oriental Churches

CREDIT HOURS: 3

This course traces the development of Christianity from its origin as a Jewish sect to its status as the dominant religion within the Byzantine Empire. The Christian religion as patronized by the Eastern Roman Emperors identified itself with the persecuted Christian sect of the first three centuries through the cult of the martyrs, articulated in the increasing importance of relic, icon, and pilgrimage to holy place. The seven ecumenical councils (325-787) progressively defined the Orthodox faith and resulted in the rise of Oriental churches, rejecting aspects of the definitions. Through to our end-date of 843 (when the icon was finally accepted) themes will be treated by attention to historical events (including the rise of Islam), art, architecture, liturgy, and various genres of literature (including hagiography).

FORMAT: Lecture

CROSS-LISTING: CLAS 2281.03

EXCLUSIONS: CLAS 3280X/Y.06

RELS 2362 Ancient Philosophy: From Aristotle to Plotinus

CREDIT HOURS: 3

This course covers the period in Ancient Philosophy from Aristotle to Plotinus: selected texts of Aristotle, Stoicism, Epicureanism, Pyrrhonian and Academic Scepticism, Middle Platonism, Neoplatonism.

FORMAT: Lecture

CROSS-LISTING: PHIL 2362.03, CLAS 2362.03

RELS 2365 Plato and the Case of Socrates: Philosophy on Trial

CREDIT HOURS: 3

Socrates (469-399 BCE) never wrote a single word, but posed such threat to Athens that a jury put him to death for the alleged ethical corruption and impiety of his thought. This course will explore the revolutionary life and thought of Socrates, and consider whether the jury's decision against him was justified.

FORMAT: Lecture

CROSS-LISTING: CLAS 2365, PHIL 2365

RELS 2420 Witchcraft in Early Modern Europe

CREDIT HOURS: 3

The period of European history from 1500 to 1800 saw the rise of modern science and philosophy. It was also a period in which thousands of witch trials and executions were carried out. This course will seek to understand how these seemingly contradictory developments could have occurred simultaneously. The course will examine changing conceptions of the witch and witchcraft in their historical, intellectual, cultural, religious, and political contexts. Questions that will be addressed include: How did the Renaissance interest in magic influence the Early Modern understanding of witchcraft? What impact did concerns about popular religion have on the witch trials? What constituted evidence that someone was a witch? What did Early Modern scientists think about witchcraft? The course will pay special attention to Early Modern notions of gender and sexuality and their influence on the witch hunts and witch trials.

FORMAT: Lecture| Tutorial

CROSS-LISTING: GWST 2320.03, EMSP 2320.03

RELS 2503 Medieval Islamic Civilization

CREDIT HOURS: 3

This course will introduce students to the Perso-Levantine world at the time of Muhammad's prophecy in the 7th century, and how the Arabian Peninsula was impacted by the creation and emergence of an Islamic society in Medina and Mecca. With the displacing of Byzantine control in the Holy Land and the collapse of the Sasanian Empire in Persia, the Arab-centric society of Mecca and Medina had become an empire of unprecedented size and ethnic complexity. The course will examine the respective Umayyad and "abbasid Dynasties", as well as the Ottomans, safavids, and Mughals. The central theme of this course will be an examination of the Islamic surrounding traditions and cultures in the Mediterranean, the Iranian Plateau, the Caucasus, the Steppe, India, and Southeast Asia. Another important theme will be the study of how various Islamic societies understood and resolved the age-old dynamic between tribal nomadism and hierarchical urbanism.

FORMAT: Lecture

CROSS-LISTING: HIST 2503.03

EXCLUSIONS: first year students and HIST 2501.03

RELS 2600 Introductory Sanskrit II

CREDIT HOURS: 3

This course develops further the basic grammar and vocabulary of Introductory Sanskrit I, emphasizing the basic past tense verbal systems, participial formations, and translation of simple Sanskrit texts.

PREREQUISITE: RELS 1600.03 or CLAS 1600.03

RELS 3000 Topics in Religious Studies

CREDIT HOURS: 3

This course treats a range of theoretical and methodological issues in the study of religion and serves to introduce students to key problems in scholarship on both Western and Eastern traditions. A variety of themes will be explored such as the relationship between philosophy and religion, the functions of doctrine and ritual, the nature of holiness and the nature of scripture. Beyond a basic understanding of these and other themes, however, the course will engage students with the various - often conflicting - ways in which these themes have been treated in Religious Studies scholarship. The course is a core requirement for all students majoring in Religious Studies.

FORMAT: Seminar

RESTRICTIONS: Students must be in their third year of study, or beyond

RELS 3001 Islam and the Others

CREDIT HOURS: 3

During its history, Islam has encountered numerous “others”: Christians, Jews, Zoroastrians, Hindus, and most recently the “West.” Muslim countries have had non-Muslim minorities, and conversely there have been Muslim minorities in non-Muslim countries. This course deals with Islamic perceptions of, and relations with, these “others” throughout history.

FORMAT: Lecture

RELS 3008 The Medieval Church

CREDIT HOURS: 3

This course does not attempt to provide a chronological survey of the development of the Western church, but is an advanced seminar dealing with topics which have no strict chronological limits. Subjects of study include monasticism, heresy, education and the universities, town and cathedral, lay-clerical conflict, and “popular” concepts of religion. Each year one or more topics are examined in detail, with the help of original documents in translation, and using recent periodical literature and/or monographs. Students prepare and present one or two well-researched papers, and class discussions are used to explore related materials and readings in greater depth. Some prior knowledge of medieval European history is essential. RECOMMENDED: HIST 1001.03

FORMAT: Lecture| Discussion

PREREQUISITE: HIST 2001.03 or HIST 2002.03 or HIST 2120.03

CROSS-LISTING: HIST 3002.03

EXCLUSIONS: Former HIST 3021.03 and 3022.03 students

RELS 3009 Christianity in the Lands of Islam

CREDIT HOURS: 3

After the Islamic conquest of the Middle East in the seventh century, approximately half of the world’s Christians found themselves under Islamic rule. The course tells the story of these Christians, their religious practices, their literatures, written in Greek, Arabic, Syriac, and Coptic, and their complex relations with the Muslims from the seventh century until today.

FORMAT: Lecture

PREREQUISITE: Students must be in their third year of study, or beyond

RELS 3012 Mystics of the Middle East

CREDIT HOURS: 3

The course is designed as an introduction to mystical dimensions of Islamic thought and practice in their historical development and in relation to Jewish and Christian mysticism in the Middle East. Topics to be covered include: the beginnings of the Sufi tradition in relation to other varieties of Middle Eastern mysticism, orthodoxy and heresy in early Sufism, stations and states on the Sufi path, Sufism and philosophy in interaction, Sufi orders, Sufi poetry as vehicle of mystical experience.

PREREQUISITE: RELS 1002.03 or RELS 2003.03 or permission of the instructor.

RELS 3018 Meetings Between Hellenism and the East to Philo the Jew

CREDIT HOURS: 3

We consider the constitution of Hellenism in relation to Eastern cultures as this emerges in Homer and Herodotus, the emergence of philosophy and the polis. With Alexander and the Hellenistic empires we look at the results and limits of military conquest especially in what is now Afghanistan. The course concludes with the constitution of Jewish religion and culture and its meeting with Hellenism with Philo Judaeus in Alexandria. In order to integrate the presentation of text and art the lectures are all in PowerPoint.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 3016.03, HIST 3016.03

RELS 3019 Meetings between Hellenism, Judaism, Christianity and Islam until the Renaissance

CREDIT HOURS: 3

We consider the constitution of Christianity in relation to Hellenism and Judaism during the first six centuries of the Christian era. After treating the constitution of Islam, we consider its meetings with Christianity and Judaism especially in Spain and Norman Sicily. We conclude with medieval Jewish, Christian and Islamic philosophical theologians. Integrating the presentation of text and art the lectures are all in PowerPoint.

FORMAT: Lecture| Discussion

CROSS-LISTING: CLAS 3017.03, HIST 3017.03

RELS 3100 Readings in Western Religions

CREDIT HOURS: 3

This course will focus on a single body of literature from the Jewish, Christian, or Islamic religious traditions such as the Gospels, Midrashic collections, or Tafsir. The course will examine the interpretation of the literature in its original context, in traditional commentaries, and in the modern academy.

FORMAT: Lecture| Seminar

PREREQUISITE: A 2000 level course or permission of instructor

EXCLUSIONS: RELS 3002.03

RELS 3101 The Self and the World in Indian Story

CREDIT HOURS: 3

Through a close reading of narrative and other forms of story literature, this course explores the twin themes, fundamental to all South Asian religions, of renouncing and embracing the world. Reading materials will draw from Hindu, Indian Buddhist, Jain and Sikh narrative literature, and will reflect a range of religious attitudes towards engaged worldly life within the family and society, and the pursuit of personal liberation through asceticism, renunciation and monasticism.

PREREQUISITE: A 2000 level RELS course or permission of the instructor

EXCLUSIONS: RELS 3002.03

RELS 3111 Vishnu and Krishna the Dark Lord: Popular Hindu Religion

CREDIT HOURS: 3

This course focuses on the god Vishnu and his various manifestations, particularly Krishna, the "Dark Lord." Through an examination of traditional Sanskrit sources and popular regional traditions across India, the course treats the theological, mythic and cultic expressions of one of Hinduism's most beloved figures.

FORMAT: Lecture| Tutorial

PREREQUISITE: RELS 2011 or permission of instructor

RELS 3112 Buddhism in India and Tibet

CREDIT HOURS: 3

This course engages the student with the Mahayana and Vajrayana traditions of Buddhism as lived and practiced initially in India and subsequently in the Tibetan cultural region. Emphasis will be placed on the philosophical schools called Madhyamaka and Yogacara, and particularly on the tantric ritual and meditation practices of Tibetan Buddhism.

FORMAT: Lecture| Tutorial

PREREQUISITE: RELS 2013, or permission of instructor

RELS 3113 The Mahabharata: India's Great Epic of Strife and Salvation

CREDIT HOURS: 3

Barring perhaps the Ramayana, the Mahabharata or "Great [Epic] of India" is the most widely known and retold narrative in all South Asian tradition, and is one of the most important literary works of human civilization. The Sanskrit Mahabharata is enormous, complex, endlessly fascinating, and has remained for 2000 years the principal venue for the Hindu tradition's reflection on the dark and elusive dimensions of war, violence, civil and divine law, human destiny and freedom. This course will lead students into the colourful world of India's great Sanskrit epic, provide them with the tools for mastering the narrative itself and the scholarly issues arising from its study, and provide them a taste of the Sanskrit language in which the poem is written.

FORMAT: Lecture| Tutorial

PREREQUISITE: RELS 2011 or RELS 3101 or RELS 3111 or permission of the instructor

ASSESSMENT METHOD: 3 Short Reading Tests on Mahabharata Content: 30%Take-Home Exam on Theory and Scholarship: 35%Sanskrit Component: 35%

RELS 3114 Special Topics in Eastern Religions

CREDIT HOURS: 3

This course treats a variety of special themes in Asian religious traditions. Topics may include ritual, scripture and its interpretation, gender and social expressions of faith, religion and modernity, and the relationship between political and religious authority in India, Southeast Asia, Tibet, China, Korea and Japan.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: 0.5 credits from any of the following: RELS 2011, RELS 2012, CHIN 2060, RELS 2013, CHIN 2070, RELS 3101, RELS 3111, RELS 3112, RELS 3113

RELS 3200 Science and Religion: Historical Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the dawn of civilization to the end of the eighteenth century, with a special focus on the early modern period. From an examination of the biblical view of nature, ancient Babylonian astrology and divination and Plato's Timeaus, this course moves through a treatment of the centrality of theology to Medieval science on to natural theology and the "Watchmaker" Design Argument of the seventeenth and eighteenth centuries. Models of conflict, harmony and complementarity offered to characterize relations between science and religion are explored through case studies such as Galileo's controversy with the Church and instances where religious belief inspired scientists like Boyle and Newton. Claims that certain confessional traditions (notably Protestantism and its dissenting offshoots) facilitated the rise of modern science are also appraised. Science-religion relations are examined both from the standpoint of mainstream religion and with respect to religious heterodoxy, prophecy, alchemy, magic and witchcraft. This course employs examples from Islamic cultures in addition to the Judeo-Christian tradition. Special features include a focus on primary texts and guest lectures by scientists.

FORMAT: Lecture| Discussion

CROSS-LISTING: HSTC 3200.03, EMSP 3330.03, HIST 3075.03

RELS 3201 Science and Religion: Contemporary Perspectives

CREDIT HOURS: 3

Beginning with an overview of the history and methodology of the study of science and religion, encounters between science and religion are traced from the dawn of civilization to the end of the eighteenth century, with a special focus on the early modern period. From an examination of the biblical view of nature, ancient Babylonian astrology and divination and Plato's Timeaus, this course moves through a treatment of the centrality of theology to Medieval science on to natural theology and the "Watchmaker" Design Argument of the seventeenth and eighteenth centuries. Models of conflict, harmony and complementarity offered to characterize relations between science and religion are explored through case studies such as Galileo's controversy with the Church and instances where religious belief inspired scientists like Boyle and Newton. Claims that certain confessional traditions (notably Protestantism and its dissenting offshoots) facilitated the rise of modern science are also appraised. Science-religion relations are examined both from the standpoint of mainstream religion and with respect to religious heterodoxy, prophecy, alchemy, magic and witchcraft. This course employs examples from Islamic cultures in addition to the Judeo-Christian tradition. Special features include a focus on primary texts and guest lectures by scientists.

FORMAT: Lecture| Discussion

CROSS-LISTING: HSTC 3201.03, CTMP 3201.03, HIST 3076.03

RELS 3250 Atheism in Early Modern Europe

CREDIT HOURS: 3

Although atheism continues to be a source of controversy and debate, one of the most significant features of the modern world is the extent to which religious unbelief has become accepted as a morally and intellectually defensible position. This course will seek to understand the rise of modern atheism by examining its origins in the

Early Modern world.
FORMAT: Lecture| Tutorial
CROSS-LISTING: EMSP 3250.03

RELS 3282 Christian Beginnings: Catholicism

CREDIT HOURS: 3

This course will consider the formation of Catholicism (Latin Christianity) up to the 12th century in relation to the Greco-Roman context and the barbarian invasions. Moving from North Africa to Western Europe, and using a combination of text, music and artistic, architectural, and archaeological evidence, it will examine the formation of doctrine and discipline in relation to schisms, heresies and Hellenic philosophy, the origin and developments of western monasticism, the papacy, church and state relations, and the construction of liturgy. A theme will be the interplay between the centrifugal and centripetal.

FORMAT: Lecture| Discussion
CROSS-LISTING: CLAS 3282.03
EXCLUSIONS: CLAS 3280X/Y.06

RELS 3283 Gods in the Flesh: Iamblichus and Anselm

CREDIT HOURS: 3

This course presents two opposed arguments for the union of divinity with the sensuous and human ("incarnation") and looks at one instance of how they meet: Iamblichus, *On the Mysteries*, Anselm's *Why the God-man*, Bonaventure, *The Journey of the Mind into God*. We shall look at how these arguments bridge the pagan / Christian, philosophy/ theology/ religion, Orthodox / Catholic, and Greek / Latin divides.

FORMAT: Lecture| Discussion
CROSS-LISTING: CLAS 3283.03
ASSESSMENT METHOD: Two take home examinations worth 30% and 70% respectively.

RELS 3381 Medieval Philosophy from Augustine to Anselm

CREDIT HOURS: 3

A study of texts, primarily within the Latin tradition from Augustine to Anselm, but including selected writings of the Pseudo-Dionysius. Three works will normally be read in their entirety: Boethius, *Consolation of Philosophy*; Dionysius, *Mystical Theology*; Anselm, *Proslogion*. The main interest is the use and transformation of the philosophy of Plato, Aristotle, the Stoics and the Neoplatonists in this development.

FORMAT: Lecture
CROSS-LISTING: CLAS 3381, PHIL 2381

RELS 3382 Medieval Philosophy from Arabic and Jewish Thinkers to Aquinas

CREDIT HOURS: 3

A study of texts which reflect the transformation of the ancient philosophical tradition within the works of medieval Arabic and Jewish thinkers and of the Latin Christians to whom they mediated ancient philosophy. Selections from al-Farabi, Moses Maimonides, Averroes, and Aquinas, among others will be read. Bonaventure's *The Mind's Journey into God* will be read in its entirety.

CROSS-LISTING: CLAS 3382, PHIL 2382

RELS 3413 Augustine's Confessions

CREDIT HOURS: 3

A study of the 13 books of Augustine's Confessions.

FORMAT: Seminar
LECTURE HOURS PER WEEK: 3
CROSS-LISTING: CLAS 3413.03
EXCLUSIONS: CLAS 3410.06; CLAS 3411.03; CLAS 3412.03; RELS 3410.06; RELS 3411.03; RELS 3412.03

RELS 3432 St. Augustine's On the Trinity Part 2

CREDIT HOURS: 3

A study of Books 8-15 of Augustine's *De Trinitate*, in which he attempts to understand what has been shown in the first 7 books (the orthodox teaching about God through Scripture and a consideration of the categories of substance, relation and act) through the distinction of *scientia* and *sapientia*.

FORMAT: Seminar
CROSS-LISTING: CLAS 3432.03

RELS 3510 Sultans and Shahs: Polity and Religion in the Islamic Gunpowder Age (1500-1800)

CREDIT HOURS: 3

Until the devastating Mongol invasions of the 13th century, the principal centers of Islamic power, culture, and thought had been based in Cairo and Baghdad. This course will examine the post-Mongol Islamic world, and how politics and religion were irrevocably changed with the annihilation of the Sunni 'Abbasid caliphate. Religious heterodoxy, combined with the power vacuum left by Chingiz Khan and his descendants, allowed for the emergence of a number of unique Turkmen states in Western Asia, the most famous being the Ottoman Turks of Anatolia. By 1500, innovations in military technology and the paper-making industry allowed for the emergence of centralized and bureaucratically-sophisticated 'gunpowder' empires in western and south Asia. This course will discuss the three most significant of these: the Ottoman Turks (based in Istanbul), the Safavid Persians (based in Isfahan), and the Mughal Indians (based in Delhi). Areas of focus will include: issues of political legitimacy, use of military 'slave' corps, orthodox and popular religious movements, tensions between nomadic and sedentary segments of society, innovations in cultural expression (poetry, art, architecture), scientific and philosophical development, and the penetration and impact of the Portuguese, English, Dutch, and French 'world economies' into Asia and the Indian Ocean. This course will also examine different debates regarding the 'decline of the East', and introduce the theoretical implications of how the Islamic world is approached by contemporary scholarship.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion
PREREQUISITE: HIST 2501.03 or 2502.03 or 2503.03
CROSS-LISTING: HIST 3510.03

RELS 3610 Studies in Ancient and Medieval Science

CREDIT HOURS: 3

Topics vary each year. Some of the topics are "Causation", "History of dissection", "Mesopotamian science", "Sciences and cultures in antiquity", "The mangle of

praxis", "Ptolemy", "Ancient Method", "Embryology", "Posterior analytics", etc. For descriptions of the current year's studies topics, please contact the History of Science and Technology Programs.
NOTES: Not more than two studies courses (one full credit) and no more than one of each course number, can be taken for credit towards the History of Science and Technology Program.
FORMAT: Lecture| Discussion
CROSS-LISTING: HSTC 3610.03

RELS 3661 Hellenistic Philosophy: Stoics and Epicureans

CREDIT HOURS: 3

A study of philosophy in the Hellenistic Age. We will investigate the development of Greek and Roman philosophy after Aristotle, focusing on Stoicism and Epicureanism. The course covers the logic, physics, and ethics of these philosophical schools, as well as their religious dimension.

FORMAT: Seminar

PREREQUISITE: CLAS 2361.03 and 2362.03 or permission of instructor

CROSS-LISTING: CLAS 3661.03

RELS 3662 Hellenistic Philosophy: From Scepticism to Neoplatonism

CREDIT HOURS: 3

A study of philosophy in the Hellenistic Age. We will investigate the development of Greek and Roman Philosophy, focusing on Pyrrhonian and Academic Scepticism, as well as Middle Platonism. The course covers the logic, physics, and ethics of these philosophical schools, as well as their religious dimension.

PREREQUISITE: CLAS 2361.03 and 2362.03 or permission of instructor

CROSS-LISTING: CLAS 3662.03

EXCLUSIONS: RELS 4602.03, CLAS 4602.03

RELS 3850 The End of the World: The Apocalypse in German Thought

CREDIT HOURS: 3

The war, death and destruction that define European history in the 20th century can only begin to explain the obsession with the apocalypse in contemporary German thought. In this seminar we will study the secular appropriation of apocalyptic imagery from the Judeo-Christian tradition.

FORMAT: Lecture| Discussion

CROSS-LISTING: GERM 3850.03

RESTRICTIONS: Restricted to students in second year or above

RELS 3910X/Y Neoplatonism: Plato and Neoplatonism

CREDIT HOURS: 6

The philosophy of Plotinus and later thinkers considered as the resume of Greek Philosophy; in particular the role of Plato and other older philosophers in the formation of Neoplatonism is a principal interest.

CROSS-LISTING: CLAS 3910.06

RELS 4010 Islamic Philosophy: al-Ghazali

CREDIT HOURS: 3

Abu Hamid al-Ghazali (1058-1111) is one of the greatest Muslim thinkers of all time. This course is an introduction to his thought, focusing on al-Ghazali's "two-tier" approach to theology – exoteric theology for the masses and esoteric theology for the select few – and on his attitude to Islamic philosophy and Islamic mysticism (Sufism).

FORMAT: Seminar

CROSS-LISTING: CLAS 4010.03, CLAS 5817

RELS 4011 Jewish Philosophy: Maimonides

CREDIT HOURS: 3

Moses Maimonides (1135-1204) is one of the greatest Jewish thinkers of all time. This course is an introduction to his philosophical and legal writings, with special emphasis on his famous treatise *The Guide of the Perplexed*. Maimonides' stance on such issues as God's incorporeality, creation, and prophecy will be compared to that of other varieties of Judaism.

FORMAT: Lecture| Seminar

PREREQUISITE: Students must have completed 5 full credits of university study and RELS 2001.03 or RELS 3382.03/CLAS 3382.03/PHIL 2382.03, or permission of the instructor

CROSS-LISTING: CLAS 4011.03

RELS 4018 Christian Theology in Islamic Lands: John of Damascus

CREDIT HOURS: 3

John of Damascus (d. 749) is one of the greatest Christian theologians of the Patristic age. Though he wrote in Greek, he was probably a Christian Arab (his Arabic name is Mansur ibn Sarjun), who lived under Muslim rule and was employed as a public official in the Umayyad administration in Damascus. The course will focus on his theological works (especially his summa of Christian theology, entitled *On the Orthodox Faith*, and his three treatises in defence of the icons), their Christian sources, and their Islamic context.

FORMAT: Seminar

PREREQUISITE: At least one of: RELS 1002.03, RELS 2003.03, RELS 2281.03, RELS 2282.03, RELS 3009.03, foundation year program, or permission of the instructor

CROSS-LISTING: CLAS 4018.03

RELS 4019 Philo Judaeus: Philosophical Religion: Plato and Yoses

CREDIT HOURS: 3

Reconciling Jewish Scripture and Plato, Philo culminates Second Temple Jewish thought and founds the Christian treatment of Scripture. He is the most influential Jewish theologian and presents the High Priest as priest of the cosmos so he is crucial both to understand our past and to carry us into the future.

FORMAT: Seminar

PREREQUISITE: At least one course at the second year or above in CLAS or RELS

CROSS-LISTING: CLAS 4019.03

RELS 4401 Philosophy of the Greek Church Fathers

CREDIT HOURS: 3

This seminar involves the detailed study of a text, or group of texts, from one or more of the Greek Church Fathers. The choice of text varies from year to year, in relation to the needs and interests of students.

FORMAT: Seminar

PREREQUISITE: At least one of RELS 1002.03, RELS 2281.03, RELS 2282.03, RELS 3009.03, Foundation Year Program, or permission of instructor.

CROSS-LISTING: CLAS 4401.03

EXCLUSIONS: CLAS 4400X/Y.06

RELS 4402 Philosophy of the Latin Church Fathers

CREDIT HOURS: 3

This seminar involves the detailed study of a text, or group of texts, from one or more of the Latin Church Fathers. The choice of text varies from year to year, in relation to the needs and interests of students.

FORMAT: Seminar

PREREQUISITE: At least one of RELS 1002.03, RELS 2281.03, RELS 2282.03, RELS 3009.03, Foundation Year Program, or permission of instructor

CROSS-LISTING: CLAS 4402.03

EXCLUSIONS: CLAS 4400X/Y.06

RELS 4450X/Y Medieval Interpreters of Aristotle

CREDIT HOURS: 6

The course considers Latin philosophical texts of the Middle Ages. Given alternately with CLAS 4500X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CROSS-LISTING: CLAS 4450

Russian Studies

Location:

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Introduction

The Russian Studies Department offers courses in Russian language, literature, culture and history. Since Russia plays a crucial role in today's world and makes important contributions in a wide variety of scientific, technical, and humanistic fields, knowledge of its linguistic and cultural backgrounds can prove advantageous in many areas of study. Recent radical shifts in the country have significantly widened opportunities for using Russian in business, law, science, and government.

In the language courses emphasis is placed on gaining a thorough grasp of Russian grammar combined with practical competence in speaking, listening, reading, and writing. Sections are small and intensive. Classroom work is supplemented by computerized audio-visual materials. Study of Russian literature begins with a general survey intended for first or second year students, followed by monograph, period, and genre courses. Literature courses are generally offered in both English and Russian in order to give as many students as possible from other disciplines the opportunity to become acquainted with this important part of Russian life.

Courses in Russian culture and civilization are intended to introduce students to art, architecture, music, religion, and other areas of Russian life which are necessary to understand the language and literature. Films, guest speakers, and evenings of Russian poetry are scheduled periodically. The Dalhousie Association of Russian Students organizes a variety of events throughout the year.

Major or honours students may, with the approval of the Russian Studies Department, take up to one semester (15 credit hours) of work at a university in Russia and receive credit at Dalhousie. Qualified students are urged to participate in the Intensive Russian Program, founded by Dalhousie, which enables Canadian students to study for a semester at St. Petersburg State University.

Degree Programs

Courses in the Russian Studies Department are open to students either (1) as electives in any degree program; (2) as constituents of a major or honours degree in Russian; or (3) with courses in another discipline forming part of a combined honours degree or double major; or (4) as a minor.

All Bachelor degree programs are governed by the general Requirements for Degrees set out in the University Calendar, in addition to the departmental requirements stated below. See Degree Requirements section.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair of Department

Kozlov, D.

Undergraduate Advisor

Leving, Y.

Professor Emeritus

Pereira, N. G. O., BA (Williams), MA, PhD (UC Berkeley)

Professor

Leving, Y., BA, MA, PhD (Hebrew University)

Associate Professor

Kozlov, D., PhD (Toronto)

Instructor

Koutovenko, M., BA (Dalhousie), MA (Deusto)

BA Honours in Russian Studies

Departmental requirements

1000 level

- RUSN 1000X/Y.06
- RUSN 1020.03
- RUSN 1070.03

2000 level

- RUSN 2002.03 (or RUSN 2001X/Y.06)
- RUSN 2003.03 (or RUSN 2001X/Y.06)
- RUSN 2051.03
- RUSN 2052.03

- 30 other credit hours at or above the 2000 level and not including those listed below.

3000 level

- RUSN 3002.03 and RUSN 3003.03
- six other credit hours at the 3000 level or higher

4000 level

- RUSN 4000X/Y.06

Other required courses

- Six credit hours in Russian History (normally RUSN 2022.03 and RUSN 2023.03). This requirement is included in the number of credit hours noted above.
- Honours Thesis

BA Combined Honours in Russian Studies

Departmental requirements

Russian Studies as first subject:

1000 level

- RUSN 1000X/Y.06
- RUSN 1020.03
- RUSN 1070.03

2000 level

- RUSN 2002.03 and RUSN 2003.03 (or RUSN 2001X/Y.06)
- RUSN 2051.03 or RUSN 2052.03
- 21 other credit hours at or above the 2000 level and not including those listed below.

3000 level

- RUSN 3002.03 and RUSN 3003.03
- Six other credit hours at the 3000 level or higher

4000 level

- RUSN 4000X/Y.06

Other required courses

- Three credit hours in Russian History (normally RUSN 2022.03 or RUSN 2023.03). This requirement is included in the number of credit hours noted above.
- Honours Thesis

Russian Studies as second subject:

- A minimum of 30 credit hours with at least 12 of those credit hours being language courses on the 2000 level or above (normally RUSN 2002.03/RUSN 2003.03/RUSN 3002.03/RUSN 3003.03, or RUSN 4000X/Y.06)

BA (120 credit hour) Major in Russian Studies

Departmental requirements

1000 level

- RUSN 1000X/Y.06
- RUSN 1020.03
- RUSN 1070.03

2000 level

- RUSN 2002.03 and RUSN 2003.03 (or RUSN 2001X/Y.06)
- RUSN 2051.03 and RUSN 2052.03
- 12 other credit hours at or above the 2000 level not including those listed below

3000 level

- RUSN 3002.03 and RUSN 3003.03
- 12 other credit hours at or above the 3000 level

4000 level

- RUSN 4000X/Y.06

Other required courses

- Six credit hours in Russian History (normally RUSN 2022.03 and RUSN 2023.03).

BA (120 credit hour) Double Major in Russian Studies

Russian Studies as first major:

1000 level

- RUSN 1000X/Y.06
- RUSN 1020.03
- RUSN 1070.03

2000 level

- RUSN 2002.03 and RUSN 2003.03 (or RUSN 2001X/Y.06)
- RUSN 2051.03 or RUSN 2052.03

- Nine other credit hours at or above the 2000 level not including those listed below

3000 level

- RUSN 3002.03
- RUSN 3003.03
- Six other credit hours at or above the 3000 level

4000 level

- RUSN 4000X/Y.06

Other required courses

- Three credit hours in Russian History (normally RUSN 2022.03 or RUSN 2023.03).

Russian Studies as second major:

- A minimum of 30 credit hours with at least 12 of those credit hours being language courses on the 2000 level or above (normally RUSN 2002.03/RUSN 2003.03/RUSN 3002.03/RUSN 3003.03 or RUSN 4000X/Y.06).
- At least 12 of the 30 credit hours must be at the 3000 level or above.

BA (90 credit hour) Minor in Russian Studies

See Minor in Russian Studies section.

Russian Program Abroad

Director

Leving, Y. (902 494-3473)

Russian Program Abroad in Saint Petersburg

Introduction

The Russian Program Abroad (the oldest of its kind in Canada), is an inter-disciplinary course of instruction which allows students to undertake intensive study of the Russian language both here and in Russia at St. Petersburg University during winter or summer semesters. This program is offered at the third-year level of language study for students who have successfully (mark of "B") completed one year of Russian or its equivalent. Students at Dalhousie must enrol in a third-year fall preparatory session prior to going to Russia.

If students from elsewhere wish to join the third-year program only in Russia, they may do so after successful completion of application requirements.

Courses at Dalhousie

(September to December, January to April)

Students are required to take:

- RUSN 3002.03: Grammar;
- RUSN 3029.03: Conversation;
- RUSN 3090.03: Russian Society Today;
- two additional A-term courses in Russian history and Russian literature, language.

Courses at St. Petersburg State University

(January to May, June to July)

- RUSN 3011.03: Grammar I;
- RUSN 3012.03: Grammar II;
- RUSN 3031.03: Conversation;
- RUSN 3032.03: Translation;
- RUSN 3035.03: Literature - Reading and Analysis

Russian Program in Tallinn

This program allows students to undertake intensive study of the Russian language during a summer term at the Tallinn University of Estonia.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

RUSN 1000X/Y Elementary Russian

CREDIT HOURS: 6

For students who have little or no previous knowledge of the Russian language. Equal emphasis is placed on developing oral, listening, and reading skills with a sound grammatical basis. May be offered in a traditional classroom setting or online.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

EXCLUSIONS: RUSN 1002.03, RUSN 1003.03

RUSN 1002 Elementary Russian I

CREDIT HOURS: 3

For students who have little or no previous knowledge of the Russian language. Equal emphasis is placed on developing oral, listening, and reading skills with a sound grammatical basis. May be offered in a traditional classroom setting or online.

EXCLUSIONS: RUSN 1000X/Y.06

RUSN 1003 Elementary Russian II

CREDIT HOURS: 3

For students who have little or no previous knowledge of the Russian language. Equal emphasis is placed on developing oral, listening, and reading skills with a sound grammatical basis. May be offered in a traditional classroom setting or online.

FORMAT: Lecture

PREREQUISITE: RUSN 1002.03

EXCLUSIONS: RUSN 1000X/Y.06

RUSN 1020 Russian Culture and Civilization under the Tsars

CREDIT HOURS: 3

Conducted in English. The course traces developments in the Russian arts: painting, sculpture, theatre and music.

RUSN 1070 Modern Russian Culture and Civilization

CREDIT HOURS: 3

Conducted in English. The cultural history of 20th century Russia.

RUSN 2001X/Y Intensive Second Year Russian

CREDIT HOURS: 6

The material covered in RUSN 2002 and RUSN 2003 presented in a single semester.

PREREQUISITE: C+ or higher in RUSN 1000X/Y.06 or permission of instructor

EXCLUSIONS: RUSN 2002.03, 2003.03

RUSN 2002 Intermediate Russian I

CREDIT HOURS: 3

A continuation of RUSN 1000X/Y.06. Oral and reading skills and a further knowledge of grammar are developed through study and discussion of Russian texts.

PREREQUISITE: C+ in Russian 1000X/Y.06 or permission of instructor

EXCLUSIONS: RUSN 2001X/Y.06

RUSN 2003 Intermediate Russian II

CREDIT HOURS: 3

A continuation of RUSN 2002.03.

PREREQUISITE: RUSN 2002.03 or equivalent

EXCLUSIONS: RUSN 2001X/Y.06

RUSN 2021X/Y Imperial and Soviet Russia

CREDIT HOURS: 6

See course description for HIST 2020X/Y.06 in the History section of this calendar.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

RUSN 2022 Imperial Russia

CREDIT HOURS: 3

Equivalent to the first half of HIST 2020.06. Chronologically covers the imperial period of Russian history, from Peter the Great to the Revolution of 1917.

FORMAT: Lecture| Discussion

EXCLUSIONS: May not be taken by students who have completed HIST 2020X/Y.06, RUSN 2021X/Y.06

RUSN 2023 Soviet Russia

CREDIT HOURS: 3

Equivalent to the second half of HIST 2020X/Y.06. Chronologically covers the Soviet period of Russian history, from 1917 to Gorbachev.

FORMAT: Lecture| Discussion

EXCLUSIONS: May not be taken by students who have completed HIST 2020.06 or RUSN 2021X/Y.06

RUSN 2029 Conversation

CREDIT HOURS: 3

Development of conversation skills and vocabulary building

PREREQUISITE: Student must be enrolled in the 2nd year grammar course or must have permission of instructor.

RUSN 2034 History of Russian Natural Science

CREDIT HOURS: 3

Conducted in English. An overview of the history of Russian natural science from the foundation of the Russian Academy of Sciences during the reign of Peter the Great to modern times.

FORMAT: Lecture| Discussion

RUSN 2036 Russian Film I

CREDIT HOURS: 3

This course surveys Russian film from the Silent Era to "Thaw" (1900-1960s). Its goal is to develop students' knowledge of cinema in its historical and cultural context through critical watching, reading, thinking, and writing. The course will concentrate on the development of main genres and styles in Russian and official Soviet cinema, major directors and styles. Full versions of films will be screened each Monday night. Later in the week they will be followed by a lecture, discussion, and viewing additional short clips.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 2336.03

RUSN 2037 Russian Film II

CREDIT HOURS: 3

This course will provide an overview of the most significant trends and periods in the development of Russian cinema since the 1960s until the latest blockbusters. The course will concentrate on the development of main genres and styles, major directors and productions, issues of race, gender, war and violence in Soviet, post-Soviet and new Russian cinema.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 2337

RUSN 2043 How iRead the Eye-Books: Film Adaptations of World Literature I

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic

strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: THEA 2043.03, ENGL 2043.03

EXCLUSIONS: RUSN 2045.06, ENGL 2045.06, THEA 2347.06

RUSN 2044 How iRead the Eye-Books: Film Adaptations of World Literature II

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 2044.03, ENGL 2044.03

EXCLUSIONS: RUSN 2045X, THEA 2347X, ENGL 2045X

RUSN 2045X/Y How iRead the Eye-Books: Film Adaptations of World Literature

CREDIT HOURS: 6

In this course we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

PREREQUISITE: None

CROSS-LISTING: ENGL 2045X/Y.06, THEA 2347X/Y.06

RUSN 2046 East European Cinema: War, Love, and Revolutions

CREDIT HOURS: 3

This course brings post-Berlin Wall European film into the fray of current debates on cultural identity, transnational cinema, and postcolonialism. Despite the state control, the filmmakers of communist Europe were often more bold, honest and provocative than their profit-driven Hollywood counterparts. By drawing on political, cultural, and philosophical discourses, the course will offer pointed analyses of most significant East European films that touch upon issues of ethnicity, gender, and overcoming censorship.

FORMAT: Lecture| Discussion

CROSS-LISTING: THEA 2346.03

RUSN 2051 Survey of Russian Literature

CREDIT HOURS: 3

Conducted in English with section in Russian for majors. Required for majors and honours candidates. An overview of Russian literature from its beginnings through Tolstoy.

FORMAT: Lecture| Discussion

EXCLUSIONS: RUSN 2050.06

RUSN 2052 Survey of Russian Literature

CREDIT HOURS: 3

Conducted in English with section in Russian for majors. Required for majors and honours candidates. An overview of Russian literature from Chekhov to the present.

FORMAT: Lecture| Discussion

EXCLUSIONS: RUSN 2050.06

RUSN 2061 Russian Modernism

CREDIT HOURS: 3

Conducted in English. A study of trends in literature and the arts at the turn of the century. Known as "The Silver Age", this is one of the most innovative and dynamic periods in Russian culture.

FORMAT: Lecture| Discussion

EXCLUSIONS: RUSN 2340.03

RUSN 2062 Literature of Revolution - The 1920s in Russian Literature

CREDIT HOURS: 3

Conducted in English. A study of experiment and submission during one of the most exciting, diverse, and frustrating periods in Russian letters. "Socialist realism" was not yet official doctrine; innovation in literature was tolerated. Writers openly pondered the role of the individual and culture in the new collective society.

FORMAT: Lecture| Discussion

EXCLUSIONS: RUSN 3250.03

RUSN 2070 Russian Literature and Culture since Stalin's Death

CREDIT HOURS: 3

Conducted in English. The literary and cultural history of Russia after Stalin's death in 1953. Among the major issues considered are the significance of Stalin's death, the "Thaw" and de-Stalinization, samizdat and literature since glasnost.

FORMAT: Lecture| Discussion

RUSN 2081 Contemporary Russian Culture - The Seven Deadly Sins

CREDIT HOURS: 3

Conducted in English. The fall of the Soviet Union has allowed a deluge of once 'sinful' excesses, all of which define Russia's accelerated processes of multiculturalism. This course investigates such 'sins' in the following order: pride, covetousness, lust, anger, gluttony, envy and sloth.

RUSN 2151 Introduction to Russian Folklore

CREDIT HOURS: 3

Conducted in English. A broad survey of traditional Russian popular beliefs and practices: proverbs, riddles, and counting rhymes; the rites and rituals of the Russian agricultural year; fairy tales and epic poems (byline); reconstruction of the Slavic pantheon and its evolution.

RUSN 2191 Survey of Russian Theatre

CREDIT HOURS: 3

Conducted in English with a section in Russian for majors. An overview of Russian writing for the theatre, with emphasis on the nineteenth and twentieth centuries.

FORMAT: Lecture| Discussion

RUSN 2270 The Russian “Heroine”

CREDIT HOURS: 3

Conducted in English. The strong spiritual and moral force which Russian women have exerted on their society is richly reflected in literature. The course focuses on the portrayal of several literary heroines and discusses their impact on both the literary imagination and society.

FORMAT: Lecture| Discussion

RUSN 2500 Tolstoy

CREDIT HOURS: 3

Conducted in English. An introduction to the work of this enigmatic spiritual giant of Russian literature. Reading includes War and Peace, Anna Karenina, and Resurrection.

FORMAT: Lecture| Discussion

RUSN 2550 Russian and Eastern European Science Fiction

CREDIT HOURS: 3

This course will provide an introduction to science fiction in the Russian and Eastern European context. Emphasis on the origins from fantastic elements of Russian literature, utopian, socialist, and dystopian impulses, as well as the post-Soviet experience as apocalypse. Authors will include: Gogol, Zamyatin, Capek, Bulgakov, the Strugatskys, Lem, Pelevin.

FORMAT: Lecture| Discussion

RUSN 2750 Dostoevsky and the Russian Idea

CREDIT HOURS: 3

Conducted in English. Dostoevsky's novels are of the highest importance in understanding the fate of Russia and the thoughts of other great Russian authors and thinkers. *Crime and Punishment* and *The Brothers Karamazov* are taken as the basis for discussion. The works of I. Turgenev and Lev Tolstoy are discussed together with the ideas of such great Russian philosophers as V. Solovyev and N. Berdyaev.

FORMAT: Lecture| Discussion

RUSN 2760 Dostoevsky and Western Literature

CREDIT HOURS: 3

Conducted in English. With all his love for Russia, Dostoevsky treasured the West and its literature. It is impossible to understand Dostoevsky and his main novels, including *The Idiot* and *The Devils* without Hamlet by Shakespeare, Don Quixote by Cervantes, Faust by Goethe, some plays by F. Schiller, etc. The course traces the influence of Western ideas on Dostoevsky and his influence on such Western thinkers as Nietzsche and Freud.

FORMAT: Lecture| Discussion

RUSN 3002 Advanced Russian I

CREDIT HOURS: 3

Conducted in Russian. Following a thorough review, this course concentrates on expanding all aspects of the student's knowledge of Russian grammar. Texts are read extensively and intensively. Discussion and compositions are based on the assigned readings.

FORMAT: Lecture| Discussion

PREREQUISITE: RUSN 2001.03 or (2002.03 and 2003.03) or equivalent

EXCLUSIONS: RUSN 3000X/Y.06

RUSN 3003 Advanced Russian II

CREDIT HOURS: 3

A continuation of RUSN 3002.03.

FORMAT: Lecture| Discussion

PREREQUISITE: RUSN 3002.03 or equivalent

EXCLUSIONS: RUSN 3000X/Y.06

RUSN 3011 Grammar I

CREDIT HOURS: 3

This course is offered in Russian only as part of the Intensive Russian Program in Russia. Intensive study of the finer points of Russian grammar. Topics include verbs of motion, aspect, impersonal constructions, government and agreement, and other themes.

EXCLUSIONS: RUSN 3010.06

RUSN 3012 Grammar II

CREDIT HOURS: 3

This course is offered in Russian only as part of the Intensive Russian Program in Russia. Continuation of RUSN 3011.03

EXCLUSIONS: RUSN 3010.06

RUSN 3029 Conversation

CREDIT HOURS: 3

Development of conversational skills and vocabulary building.

PREREQUISITE: Student must be enrolled in the 3rd year grammar course or must have permission of instructor.

EXCLUSIONS: RUSN 3010.06

RUSN 3031 Conversation

CREDIT HOURS: 3

This course is offered in Russian only as part of the Intensive Russian Program in Russia. Systematic development of conversational ability on everyday themes: transport, city services, theatre, sport, shopping, the library, the educational system, the structure of the government, etc.

RUSN 3032 Translation

CREDIT HOURS: 3

This course is offered in Russian only as part of the Intensive Russian Program in Russia. Work on translation of literary, business and journalistic texts.

RUSN 3035 Literature: Reading and Analysis

CREDIT HOURS: 3

This course is offered in Russian only as part of the Intensive Russian Program in Russia. Reading and analysis of literary texts.

RUSN 3060 Special Topics

CREDIT HOURS: 3

The subject of this course -- generally devoted to contemporary Russia and the former Soviet Union -- varies from year to year, depending on shifts in current events in the region or the presence of visiting scholars with particular areas of expertise. Since the topics covered in this course may differ from year to year, students should seek further information from the Department of Russian Studies.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

RUSN 3090 Russian Society Today

CREDIT HOURS: 3

Basic institutions of Russian society are considered in their historical context, with special attention to the role of official culture and literature, the workings of the economy, and social stratification. RECOMMENDED: RUSN 1000.06, 2nd year Russian (This course is part of the Fall Intensive Russian Program.)

FORMAT: Seminar

CROSS-LISTING: HIST 3090.03/5090.03

RUSN 3091 Russian Intellectual History

CREDIT HOURS: 3

This course will examine intellectual developments in modern Russia, from Peter the Great to the late 20th century. Among the possible topics we will cover are: Russian thought and the West, the Russian intelligentsia and its relationship with the people and the state, Russian Orientalism, the roles of literature, arts, and media in Russian politics and society, the nature of dissent and revolutionary movements, as well as the functions of historical memory in Russian thought and culture.

Throughout the course we will approach Russia as a multinational country that developed in constant and close interaction with the outside world.

FORMAT: Lecture| Discussion

PREREQUISITE: Some Russian history required; Recommended are HIST 2021.03 or HIST 2022.03.

CROSS-LISTING: HIST 3030.03

RUSN 3092 Russian Topics

CREDIT HOURS: 3

Topics to be studied and researched will vary from year to year. They may include the sources of Bolshevism/Leninism, the doctrine of peaceful coexistence, the position of national minorities, the role of literature (official and samizdat) and the press, the Cult of Personality, Khrushchev's "Thaw", Brezhnev, Gorbachev, and Yeltsin. RECOMMENDED: HIST 2020.06 or RUSN 2022.03/2023.03

FORMAT: Seminar

PREREQUISITE: One 2000-level course in history

CROSS-LISTING: HIST 3092.03

RUSN 3096 The History of Ideas in Russia: From Official Nationality to Solzhenitsyn's Neo-Slavophilism

CREDIT HOURS: 3

This course examines some of the main currents in Russian intellectual history from the middle of the nineteenth century through the 1990s. Topics include classical Slavophilism and early Westernism, Populism and Nihilism, Anarchism, Marxism, Leninism, Socialist Realism, anti-Stalinism, Glasnost, neo-Westernism (Sakharov), and neo-Slavophilism (Solzhenitsyn). RECOMMENDED: HIST 2020.03 or RUSN 2022.03/2023.03

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3096.03

RUSN 3099 Solzhenitsyn Seminar

CREDIT HOURS: 3

Alexander I. Solzhenitsyn is one of the most controversial and influential Russian writers of the twentieth century. His life spanned the entire Soviet period and even now his creative oeuvre continues unabated. Solzhenitsyn's books are an unique blend of literary imagination, philosophical reflections, memoirs and witness-bearing, historical conscience and chronicle. This seminar will study several of his more important historical works; these may include *One Day in the Life of Ivan Denisovich*, *Cancer Ward*, *First Circle*, *Lenin in Zurich*, *Gulag Archipelago*, *August 1914* and subsequent volumes of the cycle.

FORMAT: Seminar

CROSS-LISTING: HIST 3099.03

RUSN 3102 Black Identity in Pushkin (Russian)

CREDIT HOURS: 3

Conducted in Russian. A close study of the poetry and prose of the father of Russian literature, Aleksandr Sergeevich Pushkin, needs to be grounded in the centrality of his Black Identity for his life and *oeuvre*. Pushkin's unfinished work *Arap Petra Velikogo* serves as the window illuminating his artistic genius and struggle for a mode

of expression for his own identity. The silences which shroud Pushkin's blackness are probed to reveal their ideological, historical, legal and human significance, which are then critically assessed. The major narrative and lyric poems, *Eugene Onegin*, the *Little Tragedies*, *Boris Godunov*, the *Tales of Belkin*, the *Queen of Spades*, as well as Pushkin's letters and critical works are revisited in this new light. Students will explore such themes as marginalization, liberty, prescience, aesthetic innovation, and the poet as political symbol and creator of a new literary language. Restoring Pushkin's identity to its proper place is a condition -- *sine qua non*-- for understanding the true meaning of his work for modern literature and its ongoing influence on world culture.

FORMAT: Lecture| Discussion

PREREQUISITE: RUSN 2003.03

EXCLUSIONS: RUSN 2100.03

RUSN 3103 Black Identity in Pushkin (English)

CREDIT HOURS: 3

Conducted in English. A close study of the poetry and prose of the father of Russian literature, Aleksandr Sergeevich Pushkin, needs to be grounded in the centrality of his Black Identity for his life and *oeuvre*. Pushkin's unfinished work *Arap Petra Velikogo* serves as the window illuminating his artistic genius and struggle for a mode of expression for his own identity. The silences which shroud Pushkin's blackness are probed to reveal their ideological, historical, legal and human significance, which are then critically assessed. The major narrative and lyric poems, *Eugene Onegin*, the *Little Tragedies*, *Boris Godunov*, the *Tales of Belkin*, the *Queen of Spades*, as well as Pushkin's letters and critical works are revisited in this new light. Students will explore such themes as marginalization, liberty, prescience, aesthetic innovation, and the poet as political symbol and creator of a new literary language. Restoring Pushkin's identity to its proper place is a condition -- *sine qua non* -- for understanding the true meaning of his work for modern literature and its ongoing influence on world culture.

FORMAT: Seminar

RUSN 3121 19th Century Russian Prose and Poetry

CREDIT HOURS: 3

Conducted in Russian. Students read, translate, and critically interpret representative works of the nineteenth century. Original texts are supplied with vocabularies and grammatical notes.

FORMAT: Lecture| Discussion

PREREQUISITE: Two years of Russian

EXCLUSIONS: RUSN 3120.03

RUSN 3122 20th Century Russian Prose and Poetry

CREDIT HOURS: 3

Conducted in Russian. Students read, translate, and critically interpret representative works of the twentieth century. Original texts are supplied with vocabularies and grammatical notes.

FORMAT: Lecture| Discussion

PREREQUISITE: Two years of Russian

EXCLUSIONS: RUSN 3120.03

RUSN 3330 Masterpieces of Russian Short Fiction

CREDIT HOURS: 3

In-depth analysis of selected masterpieces of Russian nineteenth and twentieth century short fiction, including works by Pushkin, Lermontov, Gogol, Tolstoy, Sologub, Chekhov, Bunin, Nabokov, Krzhizhanovskiy, Bulgakov, Babel, Zoshchenko, Kharmis, Eppel, Dovlatov, Pelevin, and Sorokin.

FORMAT: Lecture| Discussion

RUSN 3520 Chekhov and Turgenev

CREDIT HOURS: 3

Conducted in English. Close analysis and discussion of the major works of Turgenev, sensitive portrayal of socio-political and psychological issues of the second half of the nineteenth century in Russia, and Chekhov, unequalled short-story writer and radical innovator in modern theatre.

FORMAT: Lecture| Discussion

RUSN 3800 Gogol and His Tradition

CREDIT HOURS: 3

Author of "Overcoat," "Nose," *Taras Bulba*, *Dead Souls*, Gogol has been proclaimed "a pathological liar and honest anatomist of the soul, jejune jokester and tragic poet, realist and fantasist". An in-depth study of this major writer.

FORMAT: Lecture| Discussion

RUSN 3820 Nabokov

CREDIT HOURS: 3

A close study of selected works by consummate twentieth century prose stylist Vladimir Nabokov -- novelist, poet, critic and translator, author of the notorious *Lolita*.

FORMAT: Lecture| Discussion

CROSS-LISTING: ENGL 3820.03

RUSN 4000X/Y The Structure of Contemporary Standard Russian

CREDIT HOURS: 6

This course is offered in Russian. Required for honours candidates. Systematic study of the structure of Russian: analysis of special problems in phonology, morphology, syntax, and stylistics. Tailored to the individual needs of the student, with emphasis on practical applications of linguistic insights.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: RUSN 3002.03 and 3003.03 or permission of the instructor

RUSN 4090 Soviet History Seminar

CREDIT HOURS: 3

This is an advanced seminar on the history of Soviet Russia from 1917 to 1991. We will explore the origins, mechanisms, costs, and outcome of perhaps the most ambitious and tragic historic experiment at creating a modern yet equitable society in a country far from conducive to such an undertaking.

FORMAT: Lecture

CROSS-LISTING: HIST 4090.03
ASSESSMENT METHOD: 4090.03

RUSN 4100 Artistic Petersburg

CREDIT HOURS: 3

St. Petersburg is one of Russia's most vibrant cities, credited as its key link to the West and modernism. It embodies political, social, and artistic history of Russia of the past three hundred years and gave birth to Russia's greatest writers, painters, and musicians. In this course we will be reading works by Dostoevsky, Bely, Blok, Akhmatova and Nabokov while visiting the homes where they were born and raised; we will be studying particular paintings by visiting museums of fine arts and getting first-hand knowledge about Russia's musical scene by attending the world-class operas and stage adaptations. Whenever possible we will arrange the "behind the scene" meetings with Russian artists to foster authentic dialogue and experience Russian culture as it is possible only in St. Petersburg.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: At least 1 year of Russian language studies

RUSN 4302 Russian Poetry

CREDIT HOURS: 3

Conducted in Russian. A combination of an introduction to the theory of poetry with close analysis of masterpieces of nineteenth and twentieth century Russian poetry chosen to fit the interests of the individual student.

FORMAT: Lecture| Discussion

PREREQUISITE: Permission of the instructor

RUSN 4950 Special Topics

CREDIT HOURS: 3

Conducted in Russian. Offers the student an opportunity to work with an advisor in researching subjects which are not regularly taught in the Department. Recent topics have included Old Church Slavonic, the historical phonology and morphology of Russian, and Russian symbolism. Students who wish to register for a specific program should consult the chair of the Department.

NOTE: Course Details listed here also apply to RUSN 4960/RUSN 4990.

NOTES: Students taking 4990 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

PREREQUISITE: Permission of the Instructor

RUSN 4960 Special Topics

CREDIT HOURS: 3

See RUSN 4950.

RUSN 4990X/Y Special Topics

CREDIT HOURS: 6

See RUSN 4950.

Sociology and Social Anthropology

Location:

Building/Room: Marion McCain Arts and Social Sciences Building

Street Address 1: 6135 University Avenue

Street Address 2: Room 1128

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-6593

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Introduction

Social Anthropology and Sociology are related and overlapping disciplines. Although in some universities they are found in separate departments, this Department and many of its courses blur the distinction between them and emphasize the areas of overlap. The Department is committed to a program which stresses the areas of convergence between the two disciplines.

Sociology and Social Anthropology provide an academic training which is rigorous and cosmopolitan. Students develop research skills along with a general intellectual preparation which stands them in good stead for graduate work in the disciplines or for a broad range of professions such as law, medicine, social work or journalism.

Sociology

From its inception in the nineteenth century, sociology has been concerned with understanding the growth and evolution of modern societies. Classical sociologists attempted to identify universal laws of human behaviour which would help them to understand the nature of social change and of social order, the role of the individual vis-a-vis the broader society, and the production and reproduction of social inequalities. While contemporary sociologists have abandoned the search for universal laws, the discipline continues to study the social context of human action, and has contributed substantially to knowledge and understanding of our own world.

Social Anthropology

Anthropology is composed of four subfields, social/cultural, archaeological, biological, and linguistic. The strength of our program is the minor upon Social Anthropology, the area most complementary to Sociology. Social Anthropology, with its emphases on global context, continuity and change, questions of human and group identity, and views on human nature, may focus on local cultures or entire civilizations. For example, some Social Anthropologists study historical and contemporary conditions of indigenous groups, tribal or peasant societies, others conduct their research within industrial societies. Our program provides the opportunity for students to become conversant with the comparative cultural implications of modern societies such as different forms of family and kinship practices, changing gender relations, the organization of work, law and social injustice, medicine and health, religion, and political economy. How do people in different places and times react, resist, and adapt to change?

Degree Programs

The Department's BA degree program is offered as a 90 credit hour minor or a 120 credit hour major in Sociology and Social Anthropology. The BA honours degree is offered through more specialized programs of study in Sociology or in Social Anthropology. Dalhousie graduates wishing to upgrade from a 90 credit hour minor may complete an additional 30 credit hours to be awarded the Major Conversion or the Honours Conversion. An honours degree is normally the required preparation for graduate study.

All Bachelors degree programs are governed by the general Requirements for Degrees set out in the University Calendar, in addition to the departmental requirements stated below. See Degree Requirements for complete details.

NOTE:

1. **No more than six credit hours may be obtained for introductory courses from SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, or both SOSA 1002.03 and SOSA 1003.03.**
2. For purposes of gaining entry to 2000 and 3000 level SOSA courses, King's Foundation Year satisfies the introductory course prerequisite.
3. If they so elect, King's Foundation Year students may also obtain credit for one introductory course from SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, or SOSA 1200.06 or both SOSA 1002.03 and SOSA 1003.03.
4. Students may obtain credit for both SOSA 2001.06 and SOSA 2002.06, and those proposing to apply to the honours program are particularly encouraged to acquire a foundation in both disciplines.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Gardiner Barber, P. (902 494-2069)

Undergraduate Coordinator

Gambold, L. (902 494-3689)

Graduate Coordinator

Fitting, E. (902 494-6346)

Professors Emeriti

Apostle, R. A., BA (Simon Fraser), MA, PhD (Calif)
Barkow, J. H., BA (CUNY), MA, PhD (Chi)
Binkley, M. E., BA, MA, PhD (Toronto)
Butler, P. M., BA (MUN), MA (UNB), PhD (Toronto)
Clairmont, D. H., BA, MA (McMaster), PhD (Wash. U)
Thiessen, V., BA (Man), MA, PhD (Wis)

Professors

Gardiner Barber, P.T., BA, MA (Auck), PhD (Toronto)
Murphy, C. J., BA (St. FX), MA (Dalhousie), PhD (Toronto)

Associate Professors

Cooper, A., BA (Toronto), MA (Ontario Institute for Studies in Education), PhD (Toronto)
DuBois, L., BA (McGill), MA, PhD (New School)
Fitting, E., BA (Toronto), MA, PhD (New School)
Helland, C., BA, MA (Concordia), PhD (Toronto)
Noble, B., BA, MA, PhD (Alberta)
Oakley, R., BA (Saint Mary's), MA, PhD (Toronto)
Radice, M., BA (U of Sussex), MA (Laval), PhD (INRS-UCS)
Ramos, H., BA (York), MA, PhD (McGill)
Whelan, E., BA (Winnipeg), MA (Queen's), PhD (Carleton)
Yoshida, Y., BA (Tsuda College), MA, PhD (McGill)

Assistant Professors

Eramian, L., BA (Hons), MA (Western), PhD (York)
Foster, K., BA (Hons) (Dalhousie), MA (Waterloo), PhD (Carleton)
Gambold, L., BA (Illinois), MA, PhD (UCLA)
Guy, J.-S., BA, MA (Laval), PhD (UQAM)
Hetherington, K., BA (Concordia), MA (Dalhousie), PhD California (Davis)
Martin, F., BA (Queen's), MA, PhD (Melbourne)

Adjunct Professors

Davis, A., BA (SMU), MA (Manitoba), PhD (Toronto)
Gamberg, H. V., BA (Brandeis), MA, PhD (Princeton)
Hethrington, K., BA (Concordia), MA (Dalhousie)
Kearney, J., BSc (Acadia), MES (Dalhousie), PhD (Laval)
Khasnabish, A., BA, MA, PhD (McMaster)
Looker, D., BA (Carleton), MA (Waterloo), PhD (McMaster)
Phyne, J., BA (Memorial), MA, PhD (McMaster)
Thompson, S., BA, BEd, MA (Dalhousie), PhD (Cambridge)

Concentrated Honours BA Program

The Department's honours programs are designed for students with an interest in, and demonstrated aptitude for, advanced study in either Sociology or Social Anthropology. Admission to these programs is based solely on academic performance. More specifically, the Department requires a grade average of B+ (3.30) or higher on courses above 1000 in SOSA and the minor (or second major) subject. In addition, a minimum cumulative GPA of 2.70 is required. Potential applicants should consult with one of the Department's Undergraduate Advisors, preferably during their second year of study, and should plan to take the 3000 level courses required for honours during their third year. The Advisor will assist the student to design a program of study with a minor in Social Anthropology or Sociology meeting the general Faculty requirements and the specific requirements for each program as set out below. It is important that students have a strong foundation before undertaking the honours thesis, therefore SOSA 2001 or SOSA 2002, and two of the required 3000 level courses are pre-requisites to the departmental Honours Seminars (SOSA 4000 X/Y or SOSA 4500 X/Y). Students who, after their third year, have not taken the pre-requisite courses may still do honours, but should plan to do so part-time over two years. The honours thesis paper is produced for the course SOSA 4500X/Y.06 (Sociology) or SOSA 4000.06 (Social Anthropology). This fulfills the College of Arts and Science Honours Qualifying Examination requirement. Students with the honours concentration in Sociology may not declare Social Anthropology as their secondary subject; students with the honours concentration Social Anthropology may not declare Sociology as their secondary subject.

Departmental Requirements

Courses required in Concentrated Honours in Social Anthropology:

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- SOSA 2001.06 or SOSA 2002.06
- At least six additional 2000 level credit hours

3000 level

- SOSA 3400.03
- SOSA 3402.03
- SOSA 3403.03

4000 level

- SOSA 4000.06
- SOSA 4003.03
- One of: SOSA 4001.03, SOSA 4002.03, SOSA 4004.03, SOSA 4005.03, SOSA 4006.03

In total a minimum of 54 and a maximum of 66 SOSA credit hours beyond the 1000 level are required.

Courses required in Concentrated Honours in Sociology:

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- SOSA 2001.06 or SOSA 2002.06
- At least six additional 2000 level credit hours

3000 level

- SOSA 3401.03
- SOSA 3402.03
- SOSA 3403.03
- SOSA 3405.03

4000 level

- SOSA 4001.03 or SOSA 4003.03
- SOSA 4500X/Y.06
- In addition, one of: SOSA 4001.03, SOSA 4002.03, SOSA 4003.03, SOSA 4004.03, SOSA 4005.03, SOSA 4006.03

In total a minimum of 54 and a maximum of 66 SOSA credit hours beyond the 1000 level are required.

NOTE: Students considering graduate work in Sociology are strongly advised to take SOSA 4002.03: Quantitative Analysis for the Social Sciences II, since intermediate statistical competence is often required as a component of graduate social science programs.

Combined Honours in Sociology or Social Anthropology and another field

The Department's honours programs are designed for students with an interest in, and demonstrated aptitude for, advanced study in either Sociology or Social Anthropology. Admission to these programs is based solely on academic performance. More specifically, the Department requires a grade average of B+ (3.30) or higher on courses above 1000 in SOSA and the minor (or second major) subject. In addition, a minimum cumulative GPA of 2.70 is required. Potential applicants should consult with one of the Department's Undergraduate Advisors, preferably during their second year of study, and should plan to take the 3000 level courses required for honours during their third year. The Advisor will assist the student to design a program of study with a minor in Social Anthropology or Sociology meeting the general Faculty requirements and the specific requirements for each program as set out below. It is important that students have a strong foundation before undertaking the honours thesis, therefore SOSA 2001 or SOSA 2002, and two of the required 3000 level courses are pre-requisites to the departmental Honours Seminars (SOSA 4000 X/Y or SOSA 4500 X/Y). Students who, after their third year, have not taken the pre-requisite courses may still do honours, but should plan to do so part-time over two years. The honours thesis paper is produced for the course SOSA 4500X/Y.06 (Sociology) or SOSA 4000.06 (Social Anthropology). This fulfills the College of Arts and Science Honours Qualifying Examination requirement. Students with the honours concentration in Sociology may not declare Social Anthropology as their secondary subject; students with the honours concentration Social Anthropology may not declare Sociology as their secondary subject.

Departmental Requirements

Courses required in Concentrated Honours in Social Anthropology:

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- SOSA 2001.06 or SOSA 2002.06
- At least six additional 2000 level credit hours

3000 level

- SOSA 3400.03
- SOSA 3402.03
- SOSA 3403.03

4000 level

- SOSA 4000.06
- SOSA 4003.03
- One of: SOSA 4001.03, SOSA 4002.03, SOSA 4004.03, SOSA 4005.03, SOSA 4006.03

In total a minimum of 54 and a maximum of 66 SOSA credit hours beyond the 1000 level are required.

Courses required in Concentrated Honours in Sociology:

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- SOSA 2001.06 or SOSA 2002.06

- At least six additional 2000 level credit hours

3000 level

- SOSA 3401.03
- SOSA 3402.03
- SOSA 3403.03
- SOSA 3405.03

4000 level

- SOSA 4001.03 or SOSA 4003.03
- SOSA 4500X/Y.06
- In addition, one of: SOSA 4001.03, SOSA 4002.03, SOSA 4003.03, SOSA 4004.03, SOSA 4005.03, SOSA 4006.03

In total a minimum of 54 and a maximum of 66 SOSA credit hours beyond the 1000 level are required.

NOTE: Students considering graduate work in Sociology are strongly advised to take SOSA 4002.03: Quantitative Analysis for the Social Sciences II, since intermediate statistical competence is often required as a component of graduate social science programs.

Honours Conversion in Sociology or Social Anthropology

This program permits Dalhousie graduates to undertake an additional 30 credit hours upgrading their qualifications from the 90 credit hour BA to Honours. Students must meet the usual conditions for admission to honours, and complete the full set of Honours requirements in either Sociology or Social Anthropology. Interested students should consult an Undergraduate Advisor. Students with a 120 credit hours major may also upgrade to honours.

BA (120 credit hour) Major in Sociology and Social Anthropology

Departmental requirements

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- Either SOSA 2001.06 or SOSA 2002.06
- At least six additional 2000 level credit hours

3000/4000 level

- Total of 18 SOSA credit hours, including at least three credit hours at the 4000 level

In total a minimum of 36 and a maximum of 54 SOSA credit hours beyond the 1000 level are required.

BA (120 credit hour) Double Major in Sociology and Social Anthropology

Students must obtain at least 60 and no more than 84 credit hours beyond the 1000 level in two allied subjects, with no fewer than 30 and no more than 48 credit hours in either.

Departmental requirements

1000 level

- One of: SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06, both SOSA 1002.03 and SOSA 1003.03 or King's Foundation Year Program

2000 level

- Either SOSA 2001.06 or SOSA 2002.06
- At least six additional 2000 level credit hours

3000/4000 level

- 12 SOSA credit hours at the 3000 level or above

BA (120 credit hour) Major in Sociology and Social Anthropology Conversion

This program permits Dalhousie graduates to undertake an additional year of study upgrading their qualifications from the 90 credit hour BA to the 120 credit hour BA. Students must meet the full set of Major requirements.

BA (90 credit hour) Minor in Sociology and Social Anthropology

See the Minor in Sociology and Social Anthropology section of this Calendar

Minor in Sociology and Social Anthropology of Critical Health Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2401.06: Food and Eating Across Cultures
- SOSA 2400.06: Health and Illness Across Cultures
- SOSA 2502.03: Biomedicine and the Illness Experience
- SOSA 2501.06: Sociology of Health and Illness
- SOSA 2503.03: Health and Society
- SOSA 3135.03: The Social Organization of Health Care
- SOSA 3143.03: Health, Illness and the World System
- SOSA 3145.03: Gender and Health
- SOSA 3147.03: Social Gerontology
- SOSA 3148.03: Drugs, Health and Society
- SOSA 3149.03: Childhood in Cross Cultural Perspective
- SOSA 3150.03: Sociology and Anthropology of the Body
- SOSA 3245.03: Women and Aging
- SOSA 3250.03: Beyond Genes and Circuits: The Anthropology and Sociology of Technoscience

Minor in Sociology and Social Anthropology of Social Justice and Inequality

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2040.06: Social Inequality
- SOSA 2041.03: Describing Social Inequality
- SOSA 2042.03: Explaining Social Inequality
- SOSA 2115.03: African Canadian Society, Culture and Resistance
- SOSA 2180.06: Crime and Criminal Justice
- SOSA 2181.03: Explaining Crime and Criminal Behavior
- SOSA 2182.03: Exploring Crime and Criminal Behavior
- SOSA 2190.06: Comparative Perspectives on Gender
- SOSA 2260.03: Society, Politics, and Culture
- SOSA 3002.03: Native Peoples of Canada
- SOSA 3006.03: Comparative Perspectives on Gender and Work
- SOSA 3015.03: Popular Memory
- SOSA 3100.03: Feminist Perspectives in Sociology and Anthropology
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3206.03: Ethnicity, Race and Nationalism
- SOSA 3215.03: Migration and Identity
- SOSA 3225.03: Culture, Rights and Power
- SOSA 3275.03: Crime and Public Policy
- SOSA 3283.03: Globalized Security and Justice: the Challenge of Global Crime and Terrorism
- SOSA 3285.03: Sociology of Law
- SOSA 3295.03: Society and the Police

Minor in Sociology and Social Anthropology of Economy, Work and Development

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor requires a minimum of 18 to a maximum of 27 credit hours above the 1000 level from the list below.

- SOSA 2001.06: Ethnography in Global Context OR SOSA 2002.06: The Sociological Perspective (only one of these two may be included in the minor)
- SOSA 2111.03: Is there an Atlantic Canada?
- SOSA 2140.03: Going Global; Geography, Economy, and Work in the 21st Century
- SOSA 2141.03: Good Jobs, Bad Jobs
- SOSA 2270.03: Introduction to Popular Culture
- SOSA 2271.03: Popular Culture in a Global Context
- SOSA 2401.06: Food and Eating Across Cultures
- SOSA 3005.03: Knowledge, Work and Culture in the Contemporary World
- SOSA 3006.03: Comparative Perspectives on Gender and Work
- SOSA 3014.03: Rethinking Culture and Class
- SOSA 3060.03: Social Change and Development
- SOSA 3096.03: Introduction to Demography
- SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- SOSA 3168.03: Issues in Latin American Society
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3200.03: Environmental Anthropology
- SOSA 3211.03: Continuity and Change in Rural Societies
- SOSA 3214.03: Living in a Globalized World
- SOSA 3215.03: Migration and Identity
- SOSA 3284.03: Living in Cities
- SOSA 3310.03: Indian Society: Change and Continuity

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Some courses listed may not be offered in a given academic year. Consult the timetable for details. Where prerequisites apply, students requesting exceptions must obtain permission directly from the instructor involved.

Note:

1. Enrolment in 4000 level courses is restricted to Honours and Major students in their fourth year of study.
2. No more than six credit hours may be obtained for introductory courses from SOSA 1000.06, SOSA 1050.06, SOSA 1100.06, SOSA 1200.06 or both SOSA 1002.03 and SOSA 1003.03.
3. King's Foundation Year Program satisfies the introductory course prerequisite.

Course Descriptions

SOSA 1002 People and Culture

CREDIT HOURS: 3

The course is an introduction to both anthropology and sociology. It presents to the students the research field that both scientific disciplines share in common: how humans organize themselves in groups, be it tribes or states, and how group organization affect individual lives. For this purpose, the course proceeds to explain and apply a series of fundamental concepts like culture, socialization, institutions, stratification, and so forth. Students also explore the various dimensions of social life, either in Canada or abroad: from politics to religion, from economy to sexuality.

FORMAT: Lecture

EXCLUSIONS: SOSA 1000X/Y.06, SOSA 1050X/Y.06, SOSA 1100X/Y.06, SOSA 1200X/Y.06

SOSA 1003 People and Society

CREDIT HOURS: 3

This course builds on the material developed in SOSA 1002 though the latter is not a requirement for students. By making use of the basic concepts in anthropology and sociology, students examine specific empirical cases relevant for the scientific study and understanding of human activities in the world today. Topics may include: control and deviance, gender and health, racial and ethnic inequality, self and identity, work and organization, globalization, and so on.

FORMAT: Lecture

EXCLUSIONS: SOSA 1000X/Y.06, SOSA 1050X/Y, SOSA 1100X/Y.06, SOSA 1200X/Y.06

SOSA 1050X/Y Explorations in Culture and Society

CREDIT HOURS: 6

What are culture and society? How do we study and understand them? In beginning to answer these questions, the course introduces students to the key concepts, perspectives and methods of sociology and social anthropology. Taking examples from Canada and around the globe, we will look at such topics as beliefs, values, power, social structure, economy and more. This course fulfills the first-year writing requirement. It also satisfies the prerequisite for enrolment in upper level courses in sociology and social anthropology.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: SOSA 1000X/Y.06, 1002.03 and 1003.03, 1100X/Y.06, or 1200X/Y.06.

SOSA 1100X/Y Introduction to Anthropology

CREDIT HOURS: 6

Social anthropologists study cultural diversity in western and non-western societies. Often living among the people they study, anthropologists attempt to understand the structures that shape and constrain peoples' lives, and the ways in which people make sense of their changing circumstances. Classic studies focused on rural people in the developing world (hunter-gatherers, pastoralists, peasants). Contemporary studies are just as likely to focus on development, migration, artists, boardroom rituals or street gangs. Theories and methods from anthropology can be applied to a wide range of academic and practical settings including development, politics, economics, health, law, art, and human rights.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

EXCLUSIONS: SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06 and 1200X/Y.06

SOSA 1200X/Y Introduction to Sociology

CREDIT HOURS: 6

This course introduces students to basic sociological concepts, the logic of social inquiry, and major theoretical and methodological issues in the field. Substantive course contents may include the study of culture, socialization, deviance, social organizations, institutions, social roles, and demography. Emphasis is on the study of modern industrial societies with special attention given to Canadian society.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

EXCLUSIONS: SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06 and 1100X/Y.06

SOSA 2001X/Y Ethnography in a Global Context

CREDIT HOURS: 6

Ethnography describes how people conduct their lives in a particular time and place. This course examines the challenge, complexity, strengths, and limitations of ethnographic knowledge and writing in Social Anthropology. Students will learn about a number of different ethnographic settings which may vary from year to year. A

selection of ethnographies, films, autobiographical writing, and critical commentaries will be used to reveal how social anthropologists generate ethnographic knowledge about past and present societies, and why research priorities shift. Approved with International Development Studies.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP, or permission from the instructor if only 3 credit hours completed.

SOSA 2002X/Y The Sociological Perspective: Thinking and Doing Sociology

CREDIT HOURS: 6

Sociologists are interested in understanding the social world. They do not rely on preconceived ideas alone to enrich this understanding, but see the need to conduct studies, carry out investigations, make observations, analyze findings, formulate ideas, and construct theories and interpretations about what they find. This course looks at the ways sociologists go about their work. What are some of the dominant ways of thinking current in sociology today? What are the relationships between such ways of thinking and what are seen as questions to investigate? How do sociologists do their research? What are social surveys, interviews, theories, sociological ideas? What is distinctive about a sociological way of looking at a problem?

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP, , or permission from the instructor if only 3 credit hours are completed.

SOSA 2004 Current Controversies

CREDIT HOURS: 3

This course will examine current social problems, puzzles and controversies. It will introduce perspectives to explore and understand social fads, critical events, and social debates. Readings and assignments will look at issues like the rise of social networking media, environmental disasters, and contemporary controversies, such as, austerity measures, same-sex-marriage, immigration, and abortion, among others.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06, 1200X/Y.06, or FYP

SOSA 2041 Describing Social Inequality

CREDIT HOURS: 3

This course examines inequality in practice. The focus will be on applying understandings of inequality to empirically describe cases of injustices in order to look at measures, practices, and policies regarding inequality. The evidence used to describe inequality will be critically examined through theoretical considerations. Possible topics to be covered in readings and assignments include economic, social, cultural, political and health inequalities among other contemporary issues of social justice.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2040X/Y.06

SOSA 2042 Explaining Social Inequality

CREDIT HOURS: 3

This course examines various perspectives on inequality. It will examine how various forms of social inequality emerge and persist. The focus will be on the unequal distribution of wealth and sources of social power. Readings and assignments will focus on theories and explanations of inequality as well as historical and contemporary cases, including class, ethnicity, race, nation, region, gender, orientation and other manifestations of inequality.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2040X/Y.06

SOSA 2045 Indian Society: Change and Continuity

CREDIT HOURS: 3

The objective of this half-credit course is to introduce students to the society and culture of India from an interdisciplinary perspective. India presents a society of enormous complexity and an unbroken living civilization of great antiquity. The focus of the course will be on selected, significant aspects of Indian society with particular emphasis on issues of current relevance. Topics discussed include: a historical background, social structure, political and social constraints to economic development, health issues, major religions and philosophy, development and foreign policy since independence, science and technology, disaster relief and development, and literature. This course counts as a half-credit in Sociology and Social Anthropology towards the IDS established discipline requirement.

FORMAT: Lecture

CROSS-LISTING: INTD 2045.03

EXCLUSIONS: INTD 3045.03

SOSA 2051 Chinese Culture

CREDIT HOURS: 3

This course introduces students to the Chinese cultural heritage. It offers an overview of traditional and modern Chinese culture through the lenses of history, sociology, religion, philosophy, literature, art and film. The class offers students an opportunity not only to familiarize themselves with the historical legacies of China, but also to examine modern issues facing Chinese society in the contexts of international relations, society, economics, gender, ethnicity and politics. Nor previous knowledge of Chinese culture or the Chinese language is required.

FORMAT: Lecture| Discussion

PREREQUISITE: None

CROSS-LISTING: CHIN 2050.03

SOSA 2090X/Y Youth and Society

CREDIT HOURS: 6

Events of enormous future consequences occur in the period between childhood and adulthood. Competing sociological and anthropological arguments try to explain the nature of the relationships between youth and society. This course critically examines the arguments, with special focus on assessing the empirical evidence that might be used to support or refute them. That is, the context of youth will be used to illuminate the connections between argument and evidence, theory and data.

Although the emphasis is on youth in Canadian society, a comparative perspective will be employed.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2101 Environment and Culture

CREDIT HOURS: 3

Concern about the environment is an increasingly widespread phenomenon as more people and confront their relationship to a changing ecology. Environmental issues like pollution, global warming, or resource depletion, have global as well as personal implications. The efforts of cities to deal with environmental pollution, for example, may lead to conflicts with rural regions, and changes in consumption patterns in one country may have consequences for the environment of other countries. This course will explore key relationships between human culture and the physical environment. Topics to be examined may include: environmental knowledge, food and agriculture, environmental ethics, health, resource management and conservation.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2100.06

SOSA 2102 Political Ecology

CREDIT HOURS: 3

Environmental issues, like all things involving human societies, are always political issues. Whether we are talking about who gets to use a resource, or who has to clean up afterwards, environmental actions always have consequences for other aspects of people's lives, and therefore the possibility for disagreement. The course will examine those phenomena where traditionally political questions about the distribution of resources or power within a society overlap with environmental questions, and where struggles over environmental protection or regulation intersect with struggles to control group life. Topics covered may include competition over resources, the politics of environmental regulation, the social and historical conditions that give rise to environmental disagreements, or the ways that different plans for mitigating climate change affect global power dynamics.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2100.06

SOSA 2111 Is there an Atlantic Canada?

CREDIT HOURS: 3

This course will examine the historical and contemporary social issues related to the Maritimes and Atlantic Provinces. The course will critically question what is meant by "Atlantic Canada" and look at its social, demographic, economic, and cultural trends in relation to the rest of the country. Attention will be given to the role of Acadians, Mi'kmaq, and African Nova Scotians as well as dominant powerholders in the construction of Atlantic Canada.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: CANA 2111.03

SOSA 2115 African Canadian Society, Culture, and Resistance

CREDIT HOURS: 3

There has been a presence of African peoples in Canada for over 400 years; however, the rich histories of African-Canadian people have been often ignored. This course examines African Canadian society and culture from the historical to contemporary period. Topics will include historical analyses, slavery, patterns of immigration and settlement, family, continental African and diasporic connections, identity, arts and culture, education, employment, justice and the law, the media, diasporic debates, Black struggles and resistance, and African Canadian achievements. The course will be taught from a critical race and gender perspective, and will include readings about the diverse Black communities across Canada. There has been a presence of African peoples in Canada for over 400 years; however, the rich histories of African-Canadian people have been often ignored. This course examines African Canadian society and culture from the historical to contemporary period. Topics will include historical analyses, slavery, patterns of immigration and settlement, family, continental African and diasporic connections, identity, arts and culture, education, employment, justice and the law, the media, diasporic debates, Black struggles and resistance, and African Canadian achievements. The course will be taught from a critical race and gender perspective, and will include readings about the diverse Black communities across Canada.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: CANA 2115.03

SOSA 2140 Going Global; Geography, Economy, and Work in the 21st Century

CREDIT HOURS: 3

This course will explore the economic, industrial and organizational transformations which have affected world economies since the 1980s. The spatial reorganization of the international division of labour has led to "world cities", and rural concentration and depopulation, as well as exploitative economic enclaves as endpoints in global commodity chains. The emergence of an increasingly integrated international economic order are associated, in the advanced economies, with a shift from manufacturing, for which automobile production has been the standard example, to a service-dominated economy, ranging from financial services, internet development and movie and music creation, to fast food chains and mass tourism. This industrial transformation has been accompanied by shifts in organizational structures, whether the emphasis has been on increased operational flexibility, or downsizing, one is continuously faced with the impact of new information technologies on the workplace. Does the electronic storage and transmission of information create acceptable efficiencies, or do they represent new methods for controlling and exploiting an increasingly vulnerable workforce, particularly lower-class women and/or immigrants? This course will employ the relevant portions of a standard Canadian sociological text to evaluate main tendencies, while selected anthropological case studies from different places will help understand the specific dynamics of a new, world economy.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2141 Why Work?

CREDIT HOURS: 3

Work, as the journalist Studs Terkel once wrote, is a source of "daily meaning as well as daily bread." It comes in many forms. There are careers, "callings," or just-for-now jobs, which can be paid or unpaid, permanent or temporary, prestigious or menial, dangerous or boring. For some of us, work is an opportunity to "Do What You Love"; for others, the best part of work is the pay cheque. How we go about making a living is in some ways a personal choice, but it's also a social and political matter. In this course, students will learn how we make sense of work in all its forms. Topics covered may include: internships and precarious work, (de)industrialization, unions, generations and work, gender and work, labour market trends, professions, leisure, and the future of work.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2181 Explaining Crime and Criminal Behavior

CREDIT HOURS: 3

What is crime, why do rates of crime vary, why do people commit crimes and how do social, cultural, psychological and biological theories and research findings explain crime as social and behavioral phenomena? Criminology is an interdisciplinary attempt to answer these questions through the social scientific study and analysis of crime and criminal behavior. This course introduces students to a broad variety of critical thinking, disciplinary theories, research studies and social policies, in order to help you understand and explain crime and show how these understandings inform the policies and politics designed to manage and prevent crime. This course provides a general but primarily sociological understanding of crime.

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2180X/Y.06

SOSA 2182 Exploring Crime and Criminal Behavior

CREDIT HOURS: 3

Though this is a stand-alone course it builds on the exploration of theories of crime addressed in 2181.03 and applies them to various “types” of crime and criminal behavior in Canada and elsewhere. This course pulls together various sources of knowledge to provide description and analysis of various patterns and types of crime and explores how this knowledge is being applied in specific policies and practices aimed at managing and preventing crimes: typically by the criminal justice system. The course content covers Violent crimes such as murder, sexual assault, domestic violence, robbery and gang violence; Property crimes such as burglary and motor vehicle theft; Organized crime, White Collar and Corporate crime and new forms of Global crime such as narco trafficking; human and arms smuggling and money laundering.

NOTES: Approved with Law and Society Minor.

PREREQUISITE: One of SOSA 1000 X/Y.06, (1002.03 and 1003.03), 1050 X/Y.06, 1100 X/Y.06 or 1200 X/Y.06 or SOSA 2181.03, FYP

EXCLUSIONS: SOSA 2180X/Y.06

SOSA 2190X/Y Comparative Perspectives on Gender

CREDIT HOURS: 6

Applying theoretical perspectives drawn from anthropology and sociology, this course considers the underlying conditions for and consequences of gender inequalities in different historical & cultural contexts. The course begins with an overview of the study of gender relations in anthropology and sociology. Themes around which the course will be organized include the relationship between gender and the following: culture and difference; sexuality and reproduction; labour; gender politics, power relations and political discourse; and gender in the global political economy. Approved with International Development Studies.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 or 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP or 3 credit of GWST at any level.

CROSS-LISTING: GWST 2800X/Y.06

SOSA 2221X/Y Society and the Self

CREDIT HOURS: 6

Groups influence individuals and individuals react to these influences. This is the field of Social Psychology. The processes involved in such person-group relationships are explored in a number of different settings, such as the family, mental hospitals, and universities. The course will focus on a critical review of research and theorizing.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2220.03

SOSA 2260X/Y Society, Politics, and Culture

CREDIT HOURS: 3

You may not think of yourself as political but power is a process of everyday life. Although it is often assumed to be located in economic and political institutions, it is also important to consider that “the personal is political” and this too contributes to the negotiation of power. This course will explore how social processes affect and are shaped by material, institutional, and normative pressures. Contemporary examples of the intersection of these social forces will show how sociology and social anthropology can be used to identify otherwise hidden relationships.

FORMAT: Lecture

SOSA 2270 Introduction to Popular Culture

CREDIT HOURS: 3

In this course, we will examine and discuss the various approaches and theories of popular culture in anthropology and sociology. Popular culture has been defined in multiple ways and attached to multiple objects and activities in society. We will consider how human beings take part in popular culture on one hand and how popular culture affects the rest of their lives on the other hand. Related themes include consumption, media, technology, communication, identity, ideology, stratification.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2271 Popular Culture in a Global Context

CREDIT HOURS: 3

The course explores many different theories and manifestations of popular culture in a wide range of contexts. Popular culture as it intersects with films, television, Internet, magazines, comics, cartoons, fashion, sports, music, etc., provides a rich platform for consideration of how popular culture influences individuals in their lives while simultaneously being shaped by those same individuals and their cultural contexts. We will also explore how individuals take on different roles in the production and consumption of popular culture.

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2291X/Y Goblins, Ghosts, Gods, Gurus

CREDIT HOURS: 6

Societies and groups within societies differ in terms of what their members believe, how people view the world and their place within it, the sources of knowledge, attitudes toward the supernatural and the sacred, the status and authority of different sources of knowledge and what it all means. What makes religion different from

science? What makes them similar? What is commonsense? What are magic and witchcraft? What are the relations between belief and actions? What is the status of religious authority and power? What are altered states of consciousness? What are religious groups all about? Why do people belong to them, join them, leave them? What is involved in conversion and commitment? This course considers such questions drawing on a wide variety of societies, cultures, and groups, western and non-western.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

CROSS-LISTING: RELS 2291.06

SOSA 2300X/Y Introduction to Social Problems

CREDIT HOURS: 6

The study of social problems uses sociological theory and research to examine the social dynamics and consequences of a variety of contemporary issues. Though the course content will vary year by year, students can expect to deal with social problems such as poverty, drug abuse, gender and race relations, work and alienation, and environmental issues.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2400X/Y Health and Illness Across Cultures

CREDIT HOURS: 6

Every culture has its own concepts of health and nutrition, its own treatments and practices. The strengths and weaknesses of our own system grow clearer when medical anthropologists compare it with that of other societies. This course's specific topics vary from year to year but always include: native theories of the etiology of illness, transcultural versus culture-specific disease syndromes, pregnancy and childbirth in other cultures and our own; senescence and death viewed cross-culturally, the conflict between traditional medical systems and the Western physician and hospital, patients' expectations and the medical subculture, the physician as secular priest, and food and nutrition across cultures. Approved with International Development Studies.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2933.03, SOSA 2966.03

SOSA 2401X/Y Food and Eating Across Cultures

CREDIT HOURS: 6

Our bodies determine nutrition, our environments limit what may be available, and our cultures decide what is to be considered "food." This course is an introduction to the anthropology and sociology of food. Topics include evolution and human nutrition, social change and food, famine and the world food system, food in contemporary film, food taboos, age and gender differences in food prescriptions and proscriptions, dieting and obesity, cannibalism, the symbolic meaning of eating and food, and vegans vs. carnivores. Approved with International Development Studies.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 2402 Food Through Time and Space

CREDIT HOURS: 3

We will examine the concept of "food" through time and space so as to understand nutritional science/health, belief/ritual systems, oral/textual histories, ancient productive systems, flora and fauna domestication techniques and their ongoing relevance to food entitlements in the contemporary world. Special emphasis will be on non-Europeans societies, communal tenure systems and a glance at the European commons and their productive systems.

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2401X/Y

SOSA 2403 Food Activism

CREDIT HOURS: 3

In this course we will explore food movements and alternative food practices, especially in relation to the modern food system. We will discuss the key characteristics and critiques of the food system and focus on case studies of cultural practices and food activism from around the world which challenge or provide alternatives to the current food system.

FORMAT: Lecture

EXCLUSIONS: SOSA 2401X/Y.06

SOSA 2502 Biomedicine and the Illness Experience

CREDIT HOURS: 3

This course provides an introduction to the sociology of medicine, patienthood, and practitioner-patient relationships. The course is organized into two sections. The first section analyses the theory and practice of medicine, our society's dominant system for addressing health problems. In the second section, we examine illness and the experience of receiving medical care. We will cover such topics as: the biomedical model; medical school; the experience of chronic illness; medical science and technology; models of the doctor-patient relationship; and mental illness.

FORMAT: Lecture

EXCLUSIONS: SOSA 2501X/Y.06, SOSA 2500.03

SOSA 2503 Health and Society

CREDIT HOURS: 3

This course examines the social foundations of health and illness, community responses to health problems, and the structure of health care in Canada and internationally. Topics to be covered include: morality and health, social inequality and the political economy of health and health care, the multinational pharmaceutical industry, environmental health, and the development of and 'crisis' in the Canadian Medicare system.

EXCLUSIONS: SOSA 2501.03

SOSA 2933 Health and Culture

CREDIT HOURS: 3

This course explores health and illness aetiology through culture and time with a focus on ancient and pre-capitalist societies in South Asia, Latin America, Africa, Middle East and Aboriginal gifting economies. Topics may vary from year to year but we will invariably explore global sensibilities of feeling healthy and “well” through an exploration of case studies highlighting ancient science and medicine, health taxonomies, oral history, ethnography, literature, poetry, music, oral genres, pregnancy; birth and rearing of children; senescence and death. The weaknesses and strengths of Canada’s increasingly privatized selective healthcare system become clear when compared it with the achievements made in societies that provide/d healthcare as a basic right.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2400X/Y.06

SOSA 2966 Health and Illness through Culture and Space

CREDIT HOURS: 3

Every culture has its own concepts of health and nutrition, its own treatments and practices. This course explores health aetiologies through contemporary culture and space. Topics may vary from year to year but we invariably will learn about contemporary cultures around the world in relation to sensibilities of what it means to feel healthy and “well” in the content of rapid economic and social change. We will explore religion, culture and efficacy; cultures of colours, smells; tastes and health and wellness (proxemics; kinetics-how wellness, health and illness are embodied through time, space and culture); narratives of health (poetry, music, oral genres); pregnancy; birth and rearing of children; senescence and death; the content of public health systems and the extent to which they incorporate these practices and beliefs. The weaknesses and strengths of our own system become clear when medical anthropologists compare it with the science and health systems of other societies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2400X/Y.06

SOSA 3002 Native Peoples of Canada

CREDIT HOURS: 3

This course uses an ecological perspective to describe the cultures and peoples occupying Canada at the time Europeans came to this continent. As time permits, some ethnohistory and the situation of contemporary Native peoples is also discussed. Films will be used to supplement lectures and readings. Approved with Canadian Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

EXCLUSIONS: SOSA 2350.03

SOSA 3005 Knowledge, Work and Culture in the Contemporary World

CREDIT HOURS: 3

Since the publication of Daniel Bell's book, *The Coming of Postindustrial Society*, studies of the economic structure of the advanced societies have addressed the question of the extent to which we are living through a transition to a new, knowledge-driven economy which may be qualitatively distinguished from the system of industrial capitalism which has characterized North America and western Europe for most of this century. Whether one uses terms like “postindustrialism”, “postmaterialism” or “postmodernism”, debates have centered on the question of fundamental alterations in the economic, cultural and political organization of technologically advanced societies. Are we witnessing the creation of an “information economy”, are we observing the emergence of a new “knowledge class”, which rules by virtue of its educational skills and credentials, is there a new underclass being excluded from paid employment of any form, and is government being privatized to facilitate new forms of global economic integration? Are new types of social movements arising in response to basic changes in our society? This course will address the above questions, with particular emphasis being devoted to discuss issues in contemporary political economy.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3006 Comparative Perspectives on Gender and Work

CREDIT HOURS: 3

This course will use comparative perspectives to explore a range of topics relating to the gendering of work- wage-work, household-based labour, the informal sector, masculinity and femininity in the work place, occupational segregation, employment policies directed at changing the status quo (such as affirmative action, pay equity), and unionization. The context will be the changing global political economy and its consequences for the strategies of different groups (such as nation states, but also trade unions, feminist groups and employer groups). Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: GWST 3006.03

SOSA 3008 Canadian Society and Politics

CREDIT HOURS: 3

This course about the nature of Canadian society has as its focus the study of structures and events which shape social and political organization in Canada. There is not only one way to understand Canadian society: generations of historians, political scientists and economists have provided valuable insights as to why Canadians have believed or acted or voted in one way or another. Sociology and Social Anthropology have helped to understand Canada in terms of contexts and conditions of life which have shaped the evolution of society as we know it. The course explores issues, events, discontents and groups which have produced the recurrent themes that underlie social life in Canada.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP RECOMMENDED: SOSA 2110 or another course on Canadian society and/or politics.

CROSS-LISTING: CANA 3008.03

SOSA 3009 Public Opinion in Canada

CREDIT HOURS: 3

This course will introduce students to the study of public opinion in Canada and impact on informed decision making. In particular, the focus will be upon ideas and issues which have been held by groups and been influenced by the media. The lectures would explore the basis of our knowledge about the formation and change of public opinion relative to other forms of collective behaviour. We will present and analyze data relating to the role of public opinion in explaining and predicting political events.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3013 Religion in Contemporary Society

CREDIT HOURS: 3

Religion is alive and well in society today; some religious organizations are in decline but others appear to be flourishing. How can these tendencies be accounted for? Do we live in a secular age or is that just a flip expression? What does religion mean to people in contemporary society? Is there a search going on for spiritual growth, spiritual awareness, spiritual expression? If so, what forms does this search take? What can we learn by thinking about religion sociologically? What are the trends in religion telling us about the character of late twentieth century society?

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP, RELS 1000.06, or permission of the instructor

CROSS-LISTING: RELS 3013.03

SOSA 3014 Rethinking Culture and Class

CREDIT HOURS: 3

Critical cultural studies has become a vigorous focus of interdisciplinary scholarship drawing on the fields of history, anthropology, sociology, geography, and literary criticism. Researchers in all of these areas are reconsidering the significance of symbolic aspects of social life and how the collective experiencing of cultural forms is related to changes in capitalism and modernity. For example, what is the significance of popular music in different class, gender, and ethnic contexts? How do commitments to kin and community relate to expressions of culture and class consciousness? Are boundaries between work and leisure mutable in terms of class, gender and ethnic processes? Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, KING 1000X/Y.06, or KING 1100X/Y.06

SOSA 3015 Popular Memory

CREDIT HOURS: 3

This course considers history-writing as a social and cultural process operating at personal, group and national levels. It examines theoretical, methodological and political questions raised in work on popular memory. Readings and films address the problems of: official history, public history (museums, national monuments), "history from below," and oral history. Cases will be taken from across the globe. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3031 Social Problems and Social Policy

CREDIT HOURS: 3

This course focuses on the nature of social problems and social policy in advanced industrial societies. It adopts a social movement perspective, exploring the processes whereby agitation on behalf of undesirable but remedial social conditions leads to changes in social policy. Among the areas treated in depth are crime prevention, the quality of work life, race relations, deviance, and poverty and inequality.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3060 Social Change and Development

CREDIT HOURS: 3

This course considers theories of social change and development; approaches to the analysis of rural and urban livelihoods at the micro level; and the examination of community, class, patronage and gender relations in both their economic and cultural aspects. The constructive uses of social analysis in the support and design of development initiatives are also discussed. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; or INTD 2001.03 or INTD 2002.03, FYP

SOSA 3071 Human Nature and Anthropology/Sociology

CREDIT HOURS: 3

Do social anthropology and sociology suffer from "biophobia"? Can evolutionists explain why we feel sexual jealousy or why we tend to follow a dominant leader in times of stress? Can the theories that explain why we have finger prints and flat nails account for why we are cultural animals? This course reviews theory and data on the evolution of human mind and culture in order to construct a theory of human nature and to argue that ethnographers vastly exaggerate the extent to which human societies differ from one another. Its perspective and contents include much of what some have categorized as "Human Sociobiology", "Biosociology", "Darwinian Anthropology," "Darwinian Psychology", and "Darwinian Medicine".

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; or an introductory course in either Psychology or Biology, FYP

SOSA 3085 Self and Society

CREDIT HOURS: 3

This course explores the relationship between the self and the larger social context. It considers the dynamic interplay of personal experiences, interpersonal relations, group affiliation, and larger socio-cultural conditions. It examines how such interactions and institutions shape our conceptions of who we should be, who we are, or who we might become. In addition the relationship between changes in society and changes in the self are explored. The course may consider these questions cross-culturally.

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3091 The Sociology of Culture

CREDIT HOURS: 3

Does culture permeate all aspects of social life or are there specialized social domains which are "cultural"? What is the connection between societies and "cultures" and the "culture" of music or art? This course explores the question of how one can sociologically study culture. The course reviews classical and contemporary theoretical approaches to the social production, distribution and reception of culture. Broad themes include the discussion of cultural consumption, cultural identity, cultural change, and notions of cultural resistance. Specific "cultural objects" of study may include fashion, sport, class, and social problems. The course concludes with analysis of the intersection of the fields of sociology and cultural studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3096 Introduction to Demography

CREDIT HOURS: 3

This course will explore the demographic techniques and theory used to describe the dynamics of population structure. Various demographic sources ranging from census to church records will be examined. Basic techniques for determining rates and measures of fertility, mortality, morbidity, and growth. Students will be expected to complete a project using primary sources.

FORMAT: Seminar| Discussion

CROSS-LISTING: SOSA 5096.03

EXCLUSIONS: SOSA 3095X/Y.06

SOSA 3100 Feminist Perspectives in Sociology and Anthropology

CREDIT HOURS: 3

This course will begin with an overview discussing what is feminism? There is no way to come to a definitive answer to this question, therefore the first month of classes will focus on readings and discussion of feminism from an historical perspective. We will investigate the three historical waves of feminism and the diversity of feminism found in the social sciences. After this brief introduction we will concentrate on gender and sex, clearly dominant themes found in feminist works. We will approach this by critically exploring socio cultural constructions of sex and gender, which in turn will shed critical light on feminist perspectives about the relationship between these two concepts.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, or KING 1000X/Y.06 or KING 1100X/Y.06

SOSA 3105 Media and Society

CREDIT HOURS: 3

This course provides an introductory overview to the theoretical and practical issues that concern media and society. It examines contemporary theories of mass communications and popular culture and engages the political economy of media, their impact on audiences, and the role they play in the political process.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3116 Issues in Social Research

CREDIT HOURS: 3

This course consists of the intensive examination of a selected area in social research. Since the specific topic which will receive special attention will differ from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3120 Social Conflict

CREDIT HOURS: 3

This course introduces students to the various analytical perspectives sociologists have employed to understand the patterning and consequences of conflict in society. In this regard particular attention is devoted to the functional, coercion, and Marxian theories of conflict. This course is also concerned with conflict in contemporary society, with special reference to patterns of conflict and change in Canada.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3135 The Social Organization of Health Care

CREDIT HOURS: 3

The social organization of medicine and the politics of health are examined. Particular attention is paid to environmental and occupational health issues in light of technological and social change. Epidemiological patterns of morbidity and mortality are assessed. Students are responsible for seminar presentations in areas of interest.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3143 Health, Illness and the World System

CREDIT HOURS: 3

Placing the political economic bases of health and illness in ethnographic context, this course is concerned with the ways that afflictions of poverty become naturalized as biomedical experiences. Core questions pursued are as follows: 1) how is relative health affected by the world market pressures in diverse global contexts? 2) how do afflictions of poverty become naturalized as biomedical experiences? 3) how do patients and communities activate alternative health infrastructures as they resist their marginalization in neo-liberal political agendas? 4) what kinds of illnesses are characteristic of capitalism and wage labour migration (e.g. HIV/AIDS; SARS)? 5) how have market pressures and profit seeking retarded the progress of scientific inquiry into modern illness? We will elucidate these questions by looking at case studies from Canada, South Africa, Sri Lanka, Spain and Brazil.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3145 Gender and Health

CREDIT HOURS: 3

This course aims to reflect upon and challenge our taken-for-granted assumptions about the gendered dimensions of health and healthcare. Rather than take the categories of 'women's health' and 'men's health' as its foundation, the course revolves around two main questions: (1) how does the field of health and healthcare define and enforce the very categories of 'women' and 'men'? (2) how does gender, thus defined and enforced, affect the health, healthcare, and health work of those defined as men, women, or other? We will consider these questions by examining particular health topics that have a strongly gendered component, such as sexual health, reproductive health, and disability. Throughout the course, we will explore the theoretical perspectives used in the field; the two-sex model and challenges to it; the gendering of particular health problems and health professions; the medicalization of womanhood and, more recently, manhood; and the relationships between gender and other forms of social classification (e.g. race, class, sexual orientation). It is recommended that students take SOSA 2501 or SOSA 2400 prior to taking this course.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3147 Aging Cross Culturally

CREDIT HOURS: 3

In this online course we will explore the array of beliefs and practices of aging and the life course cross culturally. We will explore the enormous diversity in the aging experience around the world as well as the universals of human aging. Case studies will be examined to provide salient evidence of concepts examined in the course. This course will be useful for students in the social and science and humanities as well as health professionals, nursing, gerontologists, to provide adequate knowledge and skills for culturally appropriate geriatric care. This is an online course using Dalhousie's Blackboard Learning System. You are required to have daily access to a computer with high-speed internet access.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, or KING 1000X/Y.06 or KING 1100X/Y.06

CROSS-LISTING: HLTH 4900.03

SOSA 3148 The Sociology of Addiction: Drugs, Health and Society

CREDIT HOURS: 3

This course explores how the meaning and significance of various drug-taking practices and addictive experiences are shaped by the social, cultural, political and economic contexts in which they take place. It also examines how perceptions of different drugs and addictions have changed over time, and how complex and competing political, cultural and economic forces shape drug law and policy. The general aim of the course is to de-individualize and de-pathologize drug use and addiction, to better understand and address their health consequences.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3149 Childhood in Cross Cultural Perspective

CREDIT HOURS: 3

This course explores childhood as an important reflection of socialization and thus a nexus of cultural and social values, ideas, and histories. In examining pregnancy, birth, infant development and socialization patterns, we ask: What is universal, what is near universal, and what is indisputably variable? The course tries to maintain a balance among three perspectives: those of the infant; those of the parents; and relevant cultural and historical factors that shape both of these. The course also seeks to maintain a balance between the biological, cultural and social nature of human behavior. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3150 Sociology and Anthropology of the Body

CREDIT HOURS: 3

This course will consist of a micro-sociological examination of the human body as a socio-cultural construction. Topics include: bodily self image, cultural definitions of physical attractiveness, stigmatization, proxemic behaviour, non-verbal communications, body hygiene and pollution taboos, and cultural aspects of human reproduction and sexuality. Special attention will be paid to class, gender and ethnicity and their relationship to body politics.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: GWST 3150.03

SOSA 3165 Peoples and Cultures of the World: Selected Area Studies

CREDIT HOURS: 3

This course examines a specific geographic and/or culture area. The course begins with background material on geography and history. Its focus is on the people themselves, their social organization and political, economic, and cultural systems. How they relate to globalization and development will also be examined. Consult the Department to find which region is to be covered in a particular year. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: GEOG 3165.03

SOSA 3168 Issues in Latin American Society

CREDIT HOURS: 3

This course introduces students to case studies on contemporary Latin America. the goal of the course is to familiarize students with key social and cultural issues in the region. The focus of the course will change from year to year, and may include a particular country or region, or a theme or topic. Students should contact the department for details on the specific theme of the course in a given year. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3175 Sociology of Education

CREDIT HOURS: 3

This course is intended to develop students' knowledge about the relationships between schooling and other aspects of society. We will achieve this, in part, by examining the theoretical perspectives and practical implications of knowledge in and outside of schooling as a basis for the development of autonomous and creative individuals. Topics may include: social stratification, cultural demands and constraints, relations between family, community and educational attainment, and the changing social conditions that have had an impact on educational institutions.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3180 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3181 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3182 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3183 Special Topics

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3184 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3185 Issues in the Study of Indigenous Peoples of North America

CREDIT HOURS: 3

This seminar is concerned with the historical background of the Native-European situation in North America and with issues arising from this background. Students will research issues which are significant to themselves and important to Native groups. Topics covered may vary from year to year, but will normally include a combination of historical issues such as culture change and contemporary issues such as land claims, self-determination and government policy, and social conditions of Natives.

Approved with International Development Studies and Law and Society minor.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: CANA 3185.03

SOSA 3186X/Y Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

Women and men's bodies in colonial settings have been the first point of contact between colonizer and colonized. This course examines how colonized bodies negotiate the intersections between culture, gender, race, sex, class, sexuality, identity, and power, and seeks to understand how these bodies reaffirm and empower themselves in a postcolonial setting. We will address the different kinds of colonialism (internal, settler, direct rule) and tackle such issues as the disciplining of the colonized body through universalized gender norms, and notions of beauty within a colonial setting. Moreover, we will pose certain critical questions: 'How were/are property rights vested in the colonial and post colonial body?' 'How was the Atlantic shaped by the circuit of slavery?' 'And what are its legacies today?' 'How has the critical study of power and the body moved beyond Michel Foucault?' We will explore the multidimensionality of the body. Thus, we will pay attention to the body as source and site of oppression and misery, and the body as a source and site of pleasure, and joy.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3187 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3188 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

We will examine the content of imperial medicine through time and space. This will include assessing the invention and contemporary reproduction of "The Tropics" as a way for imperial forces to designate "the foreign" to the normalized "Europe" and contemporary Euro-settler states. We will also examine the manner in which this imperial imagination has historically and in the present been used to racialize etiologies and explanations about "underdevelopment" and susceptibility of disease while undermining indigenous etiologies and practices. Case studies of malaria, smallpox, tuberculosis, sleeping sickness, and malnutrition as students will undertake projects that critically assess the content of the pseudo-scientific selective healthcare/emergent diseases approach as it was or is activated through time and space.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000 X/Y.06., or (1002.03, 1003.03), or 1050 X/Y.06, 1100 X/Y.06 or 1200 X/Y.06, FYP

SOSA 3189 Special Topics in Sociology and Social Anthropology

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

SOSA 3190 Social Movements

CREDIT HOURS: 3

The general topic of unstructured group activity encompasses phenomena traditionally classified as collective behaviour incidents, as well as reformist and revolutionary social movements. Although there is considerable overlap, the collective behaviour literature tends to focus on relatively brief and spontaneous activities, such as panics, disasters, and crazes, while work on social movements examines relatively more organized and enduring group activities which still fall outside the realm of normal institutions. This course investigates problems emerging from both areas of concern. Emphasis is given to relevant Canadian materials.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3200 Environment and Society

CREDIT HOURS: 3

Humans are aware as never before of their impacts on the environment, and their dependence on the other things and beings with which they coexist. In this course we explore the ways that Social Scientists are rethinking the relationship between humans and the non-humans, whether they are carbon atoms, computers, amphibians, mushrooms or ecosystems.

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3206 Ethnicity, Nationalism and Race

CREDIT HOURS: 3

This course looks at the social construction and present relevance of the categories “ethnicity”, “nation”, and “race”. The current prevalence of identity politics and ethnic nationalism suggest the extent to which these categories are both profoundly political and deeply personal. By looking at case studies from Canada and around the world we examine these ideas and their implications. Topics will vary from year to year, but may include Quebec nationalism, multiculturalism, “ethnic” warfare in Rwanda or Bosnia, and race politics. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3211 Continuity and Change in Rural Societies

CREDIT HOURS: 3

The majority of the world's population, even today, lives in rural settings and depends upon primary production as the principal source of livelihood. This does not mean, however, that rural life has remained static and unchanging over the centuries. All rural societies, even those remote from centres of world power, have long been caught up in the world economic system and involved, in particular ways, with capitalist relations of production. This course examines continuity and change in a range of rural contexts across several continents including North America, and encourages students to consider the notion of “development” from alternative perspectives.

Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; or INTD 2000X/Y.06, FYP

SOSA 3214 Living in a Globalized World

CREDIT HOURS: 3

This course examines various definitions and approaches to globalization as a multidimensional process. Students will discuss topics such as: global culture (identity, migration, hybridity, homogenization, heterogenization), global risks (pollution, health, food, unemployment, poverty), global regulations and norms (international organizations, international regimes, global forums), global technology (computer networks, cyberspace, information age, global media), and global international order (global terrorism, war, security). Students will also explore political movements that demand globalization be made a more equitable process. Finally, while learning more about the complex reality of today's world, students will engage in critical reflections and debates about some of the most fundamental concepts in social sciences like society, culture, nation, state, territory, space and democracy.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3215 Migration and Identity

CREDIT HOURS: 3

This course explores the inter-relating of migration and identity under conditions that are now described as globalization. Migrants become immigrants in particular places. Most depart as citizens of one country seeking temporary refuge, employment, or new citizenship at their destination. As they travel, migrants negotiate the multiple (sometimes competing) demands of kin, employers, and policies set by more than one state. Because commitments and obligations they experience straddle the borders they have crossed, migrants lives are transnational. their ideas of “home” and identity are also reworked as they travel and can be conflicted as their circumstances change. Some writers have concluded contemporary migration is both turbulent and chaotic compared with historical examples. This course begins with review of some historical migration examples and critically reviews how these differ from current globalization flows. However, the main focus is on particular instances of migration as described in ethnographic and sociological case studies. Some key concepts to be discusses in the course are diaspora, transnationalism, and ethnoscape. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, or KING 1000X/Y.06 or KING 1100X/Y.06

SOSA 3220 Coastal Communities in the North Atlantic

CREDIT HOURS: 3

Coastal communities as a social/ecological type are examined as populations, and social structures (territorial, economic, occupational, political) as they have developed in response to particular ecological and social circumstances. Various perspectives which have been applied to coastal communities are examined with regard to the contribution they may make to understanding the dynamics of these communities. The focus is on North Atlantic communities.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

CROSS-LISTING: ENVI 5180.03, GEOG 3220.03, CANA 3220.03

SOSA 3225 Culture, Rights and Power

CREDIT HOURS: 3

The course examines the interrelation of culture, rights and power cross-culturally. It thus considers how the idea and exercise of rights can vary across cultures. It also addresses the ways in which rights and relations of power make themselves felt in people's everyday lives. Finally, it considers the variety of experiences and

understandings of these issues across societies and social groups. Examples may be drawn from social and cultural groups within or outside of Canada. Approved with International Development Studies and Law and Society minor.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3228 Belief Systems: Symbol, Myth, and Meaning

CREDIT HOURS: 3

Emphasis will be placed upon how belief systems and their symbolic representations give meaning to the universe and one's place in it. Topics may include the nature of ritual, the structure of myth, religion and symbols, religion and healing, magic, sorcery, and witchcraft, and how all these phenomena relate to cultural and social change. Approved with International Development Studies.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100x/y, or 1200X/Y.06 or (1002.03 and 1003.03), or KING 1000X/Y.06 or KING 1100X/Y.06

SOSA 3245 Women and Aging

CREDIT HOURS: 3

As women grow older, the experience of aging is difficult. This course will explore the issues related to socio-economic factors that are major determinants of the well-being of aging women. Topics will include: aging as a process; menopause; violence against older women; older women and housing; self-image and sexuality; health and the aging woman; and older women and poverty.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06 or two classes in Gender and Women's Studies, FYP

CROSS-LISTING: GWST 3810.03, NURS 4370.03

SOSA 3250 Beyond Genes and Circuits: The Anthropology and Sociology of Technoscience

CREDIT HOURS: 3

This course uses the tools of the social sciences to understand the cultural and institutional practices of science and technology. Technology and science both drive and are driven by socioeconomic and cultural change. Little in our lives is unaffected by "technoscience": the toys children play with, the scale of habitus and identity, the substances we eat, entertainment sports, the distribution of our friendships and the sources of our information, the illnesses we get and the treatments they receive, how we make love and how we make war.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP, or permission of the instructor.

SOSA 3275 Crime and Public Policy

CREDIT HOURS: 3

This course deals with the dynamics of change in the criminal justice system that reflect three major factors namely social movements (e.g. the victims movement, the women's movement), social forces (e.g. aging, multiculturalism), and internal processes (e.g. professionalism, rationalization). The course focuses on how outside pressures modify, and are channelled by, the criminal justice system. Approved with Law and Society minor.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3281 Youth Crime

CREDIT HOURS: 3

This course deals with criminal offenses committed by young persons. Etiologies drawn from various disciplines are examined and evaluated. A secondary focus concerns the criminal justice system as it applies to young offenders. Approved with Law and Society minor.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3283 Globalized Security and Justice: the Challenge of Global Crime and Terrorism

CREDIT HOURS: 3

Since the terrorist attacks of 9/11, the relationship between global processes and the issues of crime and terrorism have become more explicit. As new or enhanced global economic, political, cultural and environmental processes facilitate profound social and cultural change, new pressures and opportunities for both traditional and new kinds of crime and various forms of political and religious violence are being created. This course examines how globalization influences the various global and local conditions that create these new kinds of crime and terrorism by exploring various theoretical explanations, and more empirically based case studies of different global crimes and terrorism movements. In addition we will explore how global organized crime and terrorism challenges the ability of western societies and states to ensure political order and security and examine how they are reconfiguring both the rhetoric and reality of state governance and justice.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06, 1200X/Y.06, FYP

SOSA 3284 Living in Cities

CREDIT HOURS: 3

2008 marked the first time in history that more of the global population lived in cities than in rural areas. What perspectives to anthropology and sociology offer on cities and their inhabitants? This course explores the social dynamics that constitute 'the city' and surveys how social scientists have studied and engaged with cities and city-dwellers. It approaches 'the city' both as a whole and through its constituent parts: people and places. Examples may be drawn from cities large and small, near and far - including Halifax.

FORMAT: Lecture| Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP or PLAN 2005.03

CROSS-LISTING: GEOG 3284.03

SOSA 3285 Sociology of Law

CREDIT HOURS: 3

This course is a sociological examination of law both as a mechanism of social regulation and as a field of knowledge. It explores classical and contemporary theoretical contributions to Sociology of Law. Some specific issues to be analyzed include law and social control, law and social change, social reality of the law, the profession and practice of law, violence against women, and the influence of race, gender and social status in the outcome of legal decisions.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3295 Society and the Police

CREDIT HOURS: 3

The police play an increasingly powerful role in the maintenance of social order in contemporary Canadian society. This course introduces students to sociological theory and research on: (a) the role of police in social development and social control; (b) the historical and political development of public policing; (c) the nature and structure of police work; (d) control and accountability and (e) selected issues in policing such as, policing the family, minorities and the police, community based policing and police discretion. Approved with Law and Society minor.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP

SOSA 3310 Indian Society: Change and Continuity

CREDIT HOURS: 3

The objective of this course is to introduce students to the society and culture of India from an interdisciplinary perspective. India presents a society of enormous complexity and an unbroken living civilization. Approved with International Development Studies.

FORMAT: Lecture| Seminar

PREREQUISITE: Second-year Arts and/or Science course

SOSA 3400 History of Anthropological Theory

CREDIT HOURS: 3

This course considers the foundations and development of social anthropology. Major theoretical schools and the work of prominent anthropologists in those schools are considered, including Cultural Evolution, Historical Particularism, Functionalism, Culture and Personality, Structuralism, Symbolism, Cultural Materialism, and the directions in which contemporary sociocultural anthropology point.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; and SOSA 2001X/Y.06 or 2002X/Y.06, FYP

SOSA 3401 History of Sociological Thought

CREDIT HOURS: 3

Towards the middle of the nineteenth century a novel way of thinking about human existence began to emerge. Primacy was given to the understanding that humans are social beings, their lives and thoughts bounded and patterned by their social environments. This approach formed the basis for a new discipline of analysis eventually named Sociology. This course considers some of the main ideas of the earlier contributors to the new way of thinking: Comte, Marx, Durkheim, Weber, Simmel, Mead, Mannheim and, more recently, Parsons and Schutz. Modern sociology rests largely on the intellectual legacy of these thinkers. They raise questions and formulate answers to them which remain relevant to the sociological enterprise today.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; and SOSA 2001x/Y.06 or 2002X/Y.06, FYP

SOSA 3402 Figuring Out Society

CREDIT HOURS: 3

This course provides an introduction to issues of research design, including the relationship of theory to the choice of methodology. Students are exposed to basic tools and procedures which will help them to analyze the numerical tables and graphs they may come across in sociological or anthropological journals. Other relevant issues will be included, such as, whether it is possible to achieve scientific objectivity when studying human behaviour. It is assumed students enrolled in this course possess basic computer skills.

FORMAT: Lecture| Lab

SOSA 3403 Qualitative and Field Methods

CREDIT HOURS: 3

Research is a craft requiring many skills. This course focuses on skills complementary to those discussed in SOSA 3402.03 (Figuring out Society). Topics may include: theory and the choice of method; applied social science; field work; ethnography; use of interpreters; interviewing; life histories; note taking; analysis of texts; feminist methodologies.

FORMAT: Lecture| Lab

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03, 1003.03, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06; and SOSA 2001X/Y.06 or 2002X/Y.06, FYP

SOSA 3405 Contemporary Social Theory

CREDIT HOURS: 3

A variety of approaches constitute theory in contemporary sociology. Among them are those called interactionist, ethnomethodological, structuralist, critical, feminist, rational choice, and post-modernist. This course considers the contributions of these approaches to the enterprise of modern sociology. What are the main premises of particular sociological theories? What are their implications for the study and understanding of the social world? What are the issues that evoke debate between different schools of theory?

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, (1002.03 and 1003.03), 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP; and SOSA 2001X/Y.06 or 2002X/Y.06

SOSA 4000X/Y Honours Seminar in Social Anthropology

CREDIT HOURS: 6

This seminar provides an opportunity for students to engage in sustained investigative scholarship through independent research initiative. The first term concentrates on locating the student's work within a broader set of theoretical and methodological debates in the discipline, while the second term is devoted to students' research and writing activities in preparing the thesis required for honours graduation. In the second term, class time is used for students to make "in progress" reports and presentations about their chosen topics. The course carries two separate grades, one for the course and the other for the thesis, appearing on the transcript as "honours qualifying examination" (a University requirement for all honours students SOSA 8880.00).

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Honours registration in Social Anthropology and SOSA 2001 (recommended) or SOSA 2002, and two of SOSA 3400, SOSA 3402 and 3403. or permission of the instructor

SOSA 4001 Quantitative Analysis for the Social Sciences I

CREDIT HOURS: 3

This course will introduce quantitative analysis. It will engage issues of research design, the relationship between samples and populations, statistics and inference, as well as basic tests of statistical significance. The course will also introduce tabular, graphical, and bi-variate linear analysis, using computer software. It will encourage secondary data analysis of available datasets, evaluation of surveys, and develop skills through a series of class projects.

FORMAT: Seminar

PREREQUISITE: SOSA 3402.03 and fourth year Major or Honours standing in Sociology and/or Social Anthropology

CROSS-LISTING: SOSA 5001.03

SOSA 4002 Quantitative Analysis for the Social Sciences II

CREDIT HOURS: 3

This course will focus on the use of quantitative methods in social science research. It will introduce students to regression techniques and concentrate on the assumptions motivating quantitative analysis. The course will also look at regression diagnostics and critically weigh options available to researchers when "normal" assumptions are broken. The course will be split into lectures and computer labs using statistical software. The labs will apply methods covered in class and explore potential secondary data resources. The course will develop these skills through a series of class projects.

FORMAT: Seminar

PREREQUISITE: SOSA 3402.03, SOSA 4001.03 and fourth year Major or Honours standing in Sociology and/or Social Anthropology

CROSS-LISTING: SOSA 5002.03

SOSA 4003 Contemporary Perspectives in Ethnography

CREDIT HOURS: 3

Ethnographies and critical writings which grapple with questions of theory and interpretation in a range of contexts - near and far, familiar and strange, local and global - will be examined in this course. Approved with International Development Studies.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP; SOSA 2001X/Y.06 or 2002X/Y.06; and fourth year Honours standing in Sociology and/or Social Anthropology

CROSS-LISTING: SOSA 5003.03

SOSA 4004 Issues in Economy, Work and Development

CREDIT HOURS: 3

Commencing from a review of the multiple meanings of neoliberalism, this course will examine changing relationships to employment and 'home' under conditions of economic insecurity. Such conditions have long been prevalent in what is termed the 'global south' but are now more obviously present in class-divided northern economies, Canada included. How do people, men and women, young and old, react to increasingly precarious conditions of employment and uncertain futures? Is employment-related mobility becoming an accepted pattern of living, even in stable communities where people had previously relied on secure livelihoods shared between generations? How does migration and immigration shape new understandings of community? Have people's sense of themselves and others, their subjectivities, been reshaped through new political and economic realities? In addition to some key theoretical readings, we will explore these issues through a close reading of several critical ethnographies.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06, 1100X/Y.06 or FYP, 1200X/Y.06 and fourth year Honours standing in Sociology and/or Social Anthropology

SOSA 4005 Issues in Social Justice and Inequality

CREDIT HOURS: 3

Each year, this "issues" course focuses on a different specific topic within the general area. In past years topics have addressed the social and moral problems of social inequalities of various kinds viewed in a context of global changes. Sample topics include but are not restricted to: gender, minority and class inequalities; struggles over rights; social movements; social scenarios surrounding citizenship, migration and immigration; multiculturalism; and border and security studies. Consult Department for specific topic.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06, 1100X/Y.06 or FYP, 1200X/Y.06 and fourth year Honours standing in Sociology and/or Social Anthropology

SOSA 4006 Issues in Critical Health Studies

CREDIT HOURS: 3

Each year, this "issues" course focuses on a different specific topic within the general area. In past years topics have addressed how health is socially and culturally constructed, the differential social and cultural affects of health knowledges and power relationships, and how various perspectives on health are challenged from within and beyond the health professions. Consult Department for the specific topic.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP and fourth year Honours standing in Sociology and/or Social Anthropology

SOSA 4012 Issues in Sociology and Social Anthropology

CREDIT HOURS: 3

Since the terrorist attacks of 9/11, the relationship between global processes and the issues of crime and terrorism have become more explicit. As new or enhanced global economic, political, cultural and environmental processes facilitate profound social change, new pressures and opportunities for both traditional and new kinds of crime and various forms of political and religious violence are being created. This course examines how globalization influences the various global and local social conditions that create crime and terrorism by exploring specific kinds of global crime and terrorism. In addition we will explore how global organized crime and terrorism challenges the ability of western societies and states to enforce political order and in their "search for security" how modern states/societies are reconfiguring the rhetoric and reality of government, governance and justice. Finally we will explore the challenging issue of how we should personally and societally respond to issues of global security and justice in the future?

NOTE: Course Details listed here also apply to SOSA 4013.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03 and 1003.03, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP and fourth year Major or Honours standing in Sociology and Social Anthropology

SOSA 4013 Issues in Sociology and Social Anthropology

CREDIT HOURS: 3

See SOSA 4012.

SOSA 4014 Special Topics

CREDIT HOURS: 3

Emotion is a central aspect of human experience. For this reason and because emotion is embodied experience seeming to bypass rational thought at times, it is a powerful force in social life. To what degree can we think of emotions as universals tied to our human biology? To what degree are they culturally shaped? And how do people and institutions use (or even manipulate) emotions to accomplish particular ends? Our aim in this class is to explore anthropological and sociological approaches to emotion as we try to answer these questions. In the first portion of the course we will consider how emotion and appropriate emotional reactions vary (or not) across cultures. By looking at cross-cultural examples, we will begin to interrogate some of the things we take for granted about emotions, what they are and what they do. In the second half of the class, we return our attention to emotion in our own society. We will ask questions about how cultural and social processes shape emotion, and its expression. Structurally, there are two main aspects to the course. We will be working through the common set of assigned readings. At the same time, students will be building and discussing their Emotion Portfolios in which each student will focus on a single emotion in various contexts throughout the term. Students will bring in the material they are working on from their portfolios, enriching the class considerably.

FORMAT: Lecture| Seminar

PREREQUISITE: SOSA 1000X/Y.06, 1002.03 and 1003.03, or SOSA 1050X/Y.06, or SOSA 1100X/Y.06 or SOSA 1200X/Y.06, FYP AND SOSA 2001 or 2002

SOSA 4015 Special Topics

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture| Seminar

PREREQUISITE: SOSA 1000X/Y.06, 1002.03 and 1003.03, or SOSA 1050, or SOSA 1100X/Y.06 or SOSA 1200X/Y.06, FYP AND SOSA 2001 or 2002

SOSA 4016 Special Topics

CREDIT HOURS: 3

This course consists of an intensive examination of a selected substantive issue within Sociology and Social Anthropology. Since the specific topic or research problem will vary from year to year, students are advised to consult the department prior to registration.

FORMAT: Lecture| Seminar

PREREQUISITE: SOSA 1000X/Y.06, 1002.03 and 1003.03, or SOSA 1050, or SOSA 1100X/Y.06 or SOSA 1200X/Y.06, FYP AND SOSA 2001 or 2002

SOSA 4017 Special Topics

CREDIT HOURS: 3

How do anthropological and sociological perspectives build understanding of how people live in the wake of violence? What does it mean to inhabit a "post-conflict" society, and in what ways does the violent past shape life in the present? In this course we will investigate these and other questions as we consider how people live beyond violence. Topics include the politics of commemoration and victimhood, selfhood and social relationships, experiences of displacement and humanitarian aid, gendered violence, and perpetrator experiences of violence and genocide.

FORMAT: Seminar

PREREQUISITE: SOSA 1000X/Y.06, SOSA 1002.03 AND SOSA 1003.03, or SOSA 1050 or SOSA 1100X/Y.06 or SOSA 1200X/Y.06, FYP and SOSA 2001 or SOSA 2002

SOSA 4205 Moral Panics as a Social Phenomenon

CREDIT HOURS: 3

If we relied solely on news reports emanating from the mass media, we might well form the impression that every few years a particular form of allegedly immoral and/or unlawful behavior becomes so widespread as to endanger the very foundation of society. Where such socially shared fears and concerns are exaggerated—i.e., all out of proportion to the actual threat when judged from a rational or empirical perspective — social scientists refer to them as “moral panics.” This course will apply sociological analysis to documented case studies of such panics, both past and present. Examples would include public anxiety about communist infiltration of the U.S. government in the 1950s or, more recently, popularized scares over child sexual abuse, satanism, or serial killing. Particular attention will be paid to the social processes that generate, sustain, and erode adherence to such beliefs.

FORMAT: Seminar

PREREQUISITE: One of SOSA 1000X/Y.06, 1002.03, 1003.03, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06, FYP and fourth year Major or Honours standing in Sociology and/or Social Anthropology.

SOSA 4211 Embodying the Body : The Human Body for Anatomists and Humanists

CREDIT HOURS: 3

This course explores form and function of the human body and how these relate to broader issues associated with what it means to be human. The course begins with an anatomical exploration of the body, then expands into contemporary issues about the body and embodiment, including gender identity, beauty, etc. (This course does not fulfill the 4000 level elective requirement for Sociology and Social Anthropology honours students.)

FORMAT: Lecture| Lab

PREREQUISITE: SOSA 2501X/Y or SOSA 3150, permission of the instructor required

CROSS-LISTING: ANAT 5555

SOSA 4500X/Y Honours Seminar in Sociology

CREDIT HOURS: 6

This seminar provides an opportunity for students to engage in sustained investigative scholarship through independent research initiative. The first term concentrates on locating the student's work within a broader set of theoretical and methodological debates in the discipline, while the second term is devoted to students' research and writing activities in preparing the thesis required for honours graduation. In the second term, class time is used for students to make “in progress” reports and presentations about their chosen topics. The course carries two separate grades, one for the course and the other for the thesis, appearing on the transcript as “honours qualifying examination” (a University requirement for all honours students SOSA 8880.00).

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

PREREQUISITE: Honours registration in Sociology and SOSA 2002 (recommended) or SOSA 2001 and two of SOSA 3401, SOSA 3402, SOSA 3403 and SOSA 3405, or permission of the instructor

SOSA 4510 Readings in Sociology/Social Anthropology

CREDIT HOURS: 3

In a reading course the student is assigned to a member of staff for regular meetings to discuss readings in a selected area. Papers and research projects are expected.

NOTE: Course Details listed here also apply to SOSA 4520.

PREREQUISITE: Honours registration in Sociology or Social Anthropology, permission of the instructor and permission of the Undergraduate Coordinator

SOSA 4520 Readings in Sociology/Social Anthropology

CREDIT HOURS: 3

See SOSA 4510.

Spanish and Latin American Studies

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Street Address 1: 6135 University Avenue

Street Address 2: Room 3060

P.O. Box: 15000

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Introduction

Spanish opens the doors for you into exciting and diverse cultures in more than 20 countries - it is the first language of over 400 million people, and the second most widely spoken language in the world (after Chinese).

The Spanish-speaking world is home to fascinating people, traditions and institutions, and the Department of Spanish and Latin American Studies is your gateway into this vibrant world.

We warmly welcome students interested in starting Spanish as well as those who already have some experience with the language. Our degree options for the study of the language, literatures and cultures of the Spanish-speaking world are highly practical choices, and also complement studies in such diverse disciplines as political science, sociology and social anthropology, literature, linguistics, history, international development studies, intercultural communication, economics, commerce, and many others.

Fluency in Spanish will be useful to all students seeking careers in the foreign service and NGOs, in business and banking, as entrepreneurs, interpreters, translators, teachers, professors, editors, journalists, and many others. Our language courses emphasize skills acquisition and communicative competence; once you have mastered the fundamentals, a whole world of diverse interests is open for you to engage with: history, politics, social issues, international development, literature, film, art, business and many others.

Diplomas of Spanish as a foreign Language (DELEs)

The Diploma of Spanish as a Foreign Language (DELE) is the official accreditation of the degree of fluency of the Spanish language, issued and recognized by the Spanish Ministry of Education, Culture and Sport.

The Instituto Cervantes is in charge of organizing the exams, while the University of Salamanca is in charge of the preparation, correction and final evaluation of all the tests. The exam tests your ability to read, write, speak and understand Spanish. There are six levels of DELEs offered that match the divisions determined by the Common European Framework of Reference for Languages:

Diploma de Español A1

Beginner level: You can understand and use daily expressions frequently used in any part of the Spanish-speaking world, aimed at satisfying immediate needs-asking and giving basic personal information about yourself and daily life, and interacting on a basic level with speakers, whenever they are speaking slowly and clearly and are willing to cooperate.

Diploma de Español A2

Elementary level: You are capable of understanding daily phrases and expressions frequently used related to areas of experience that are particularly relevant to you-basic information about yourself and your family, shopping, places of interest, occupations, etc.

Diploma de Español B1

Pre-intermediate/threshold level: You have sufficient knowledge of the language to allow control in situations which require a basic use of the language.

Diploma de Español B2

Intermediate level: You have the necessary knowledge of the language to allow communication in everyday situations which do not require specialized terms.

Diploma de Español C1

Upper intermediate/proficiency level: You have the ability to cope in common situations of daily life which require a specialized use of the language.

Diploma de Español C2

Mastery/advanced level: You are able to communicate in all situations requiring advanced use of the language and knowledge of cultural background.

The exams are offered in November and May in more than 50 countries around the world. The Department of Spanish and Latin American Studies organizes the examinations at Dalhousie every spring.

For more information about the format of the exam, dates and application deadlines, contact the Spanish Department DELE coordinator.

Staff

Dean

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Chair

Pifano, D. (902 494-6954)

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Professors

Kirk, J. M., BA (Sheff), MA (Queen's), PhD (UBC)

Associate Professor

Giménez, M. J., BA, MA, PhD (Université de Montréal)

Assistant Professor

Pifano, D., BA, MA, PhD (Ottawa)

Lecturers

Santos-Montero, E., BA, MA (Salamanca)

Senior Instructors

Dam-Mazzi, M., BA (Lima), MA (Salamanca)

De Antueno, L., BA (NU of La Plata)

Rafales, C., BA (Barcelona)

BA (120 credit hour) Major in Spanish

In addition to the general degree requirements, students need a minimum of 36 credit hours, a maximum of 54 credit hours in Spanish. At least 18 of these credit hours MUST be at the 3000 level.

Requirements:

- SPAN 2020X/Y.06 or equivalent
- SPAN 2090.03 (this does not constitute your literature requirement)
- SPAN 3020.03 or SPAN 3025.03
- SPAN 3035.03
- SPAN 3036.03
- Six credit hours in Spanish and Spanish-American Literature
- Six credit hours of Spanish Civilization, Spanish-American Civilization or Hispanic Culture (this includes SPAN 2040, SPAN 2069, SPAN 2070, SPAN 2109, SPAN 2100, SPAN 2110, SPAN 2105, SPAN 2150, SPAN 2200, SPAN 2130)
- An additional six credit hours of Spanish at the 3000 or 4000 level

BA (120 credit hour) Double Major in Spanish

In addition to the general degree requirements, students need a combination of 60 credit hours, with a minimum of 30 credit hours in Spanish.

Requirements:

- SPAN 2020X/Y.06 or equivalent
- SPAN 2090.03 (this does not constitute your literature requirement)
- SPAN 3020.03 or SPAN 3025.03
- SPAN 3035.03
- SPAN 3036.03
- Three credit hours in Spanish or Spanish-American Literature
- Three credit hours in Spanish Civilization, Spanish-American Civilization or Hispanic Culture (this includes SPAN 2040, SPAN 2069, SPAN 2070, SPAN 2109, SPAN 2100, SPAN 2110, SPAN 2105, SPAN 2150, SPAN 2200, SPAN 2130)
- An additional six credit hours in Spanish at the 3000 or 4000 level.

BA with Honours in Spanish

Potential Honours applicants are encouraged to consult the Department's Undergraduate Advisor during their second year of study. Deadline for application should be three semesters before your graduation. (A minimum of 54 credit hours in Spanish.)

Requirements:

- SPAN 2020X/Y.06 or equivalent
- SPAN 2090.03 (this does not constitute your literature requirement)
- SPAN 3020.03 or SPAN 3025.03
- SPAN 3035.03
- SPAN 3036.03
- Six credit hours in Spanish and/or Spanish-American Literature
- Six credit hours of Spanish Civilization, Spanish-American Civilization or Hispanic Culture (this includes SPAN 2040, SPAN 2069, SPAN 2070, SPAN 2109, SPAN 2100, SPAN 2110, SPAN 2105, SPAN 2150, SPAN 2200, SPAN 2130)
- 21 additional credit hours of Spanish. At least six credit hours at the 3000 or 4000 level
- SPAN 4980.03 Student must complete an Honours Thesis in Spanish.

BA with Combined Honours

(A combination of 66 credit hours):

- If Spanish is your primary major, a minimum 36 credit hours in Spanish and an honour's thesis completed in the Spanish and Latin American Studies Department.
- If Spanish is your secondary major, a minimum of 30 credit hours in Spanish.

Requirements (if Spanish is your primary major):

- SPAN 2020X/Y.06 or equivalent
- SPAN 2090.03 (this does not constitute your literature requirement)
- SPAN 3020.03 or SPAN 3025.03 half credit
- SPAN 3035.03
- SPAN 3036.03
- Six credit hours in Spanish and Spanish-American Literature
- Six credit hours of Spanish Civilization, Spanish-American Civilization or Hispanic Culture (this includes SPAN 2040, SPAN 2069, SPAN 2070, SPAN 2109, SPAN 2100, SPAN 2110, SPAN 2105, SPAN 2150, SPAN 2200, SPAN 2130)
- Three credit hours in Spanish at the 3000 or 4000 level
- SPAN 4980.03 Student must complete an Honours Thesis in Spanish.

Requirements (if Spanish is your secondary major):

- SPAN 2020X/Y.06 or equivalent
- SPAN 2090.03 (this does not constitute your literature requirement)
- SPAN 3020.03 or SPAN 3025.03
- SPAN 3035.03
- SPAN 3036.03
- Three credit hours in Spanish or Spanish-American Literature
- Three credit hours in Spanish Civilization, Spanish-American Civilization or Hispanic Culture (this includes SPAN 2040, SPAN 2069, SPAN 2070, SPAN 2109, SPAN 2100, SPAN 2110, SPAN 2105, SPAN 2150, SPAN 2200, SPAN 2130)
- An additional six credit hours of Spanish at the 3000 or 4000 level

BA (90 credit hour) Minor in Spanish

See the Minor in Spanish section of this Calendar

Minor in Spanish

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BA (90 credit hour) degree program with a minor in Spanish is also available.

Requirements:

- SPAN 2020X/Y.06: Intermediate Spanish or equivalent
- SPAN 3035.03: Advanced Spanish I
- SPAN 3036.03: Advanced Spanish II
- SPAN 3020.03: Translation or SPAN 3025.03: Traducción: Ingles-Espanol
- either SPAN 2005 taken in the same year as SPAN 2020X/Y.06 or SPAN 3005.03

Minor in Hispanic Cultures

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students must complete between 18 and 27 credit hours including:

- SPAN 2100.03
- SPAN 2200.03

And any 12 credit hours from:

- SPAN 2040.03
- SPAN 2069.03
- SPAN 2070.03
- SPAN 2105.03
- SPAN 2109.03
- SPAN 2110.03
- SPAN 2130.03
- SPAN 2150.03
- SPAN 3095.03

Minor in Hispanic Literature

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

A minimum 21 to a maximum 27 credit hours in Spanish. Must include:

- SPAN 2020X/Y.06 Intermediate Spanish or equivalent
- SPAN 2090.03: Introduction to Hispanic Literary Study
- SPAN 3505.03: Introduction to Spanish Literature
- SPAN 3515.03: Introduction to Latin American Literature
- SPAN 3215.03: Seminario de literatura latinoamericana or SPAN 3510.03: Literatura hispanoamericana contemporanea
- SPAN 3500.03: Literatura espanola contemporanea or SPAN 3525.03: Historia e historias: la literatura como alternativa

Minor in Latin American Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

Students seeking a minor in Latin American Studies must complete a minimum of 24 to a maximum of 27 credit hours and is expected to complete SPAN 2020X/Y.06, plus 6 credit hours from list A and 12 credit hours from list B. At least 3 credit hours must be at the 3000 level or above.

List A: six credit hours/any two of the following:

- SPAN 2069.03: Mexico and Central America to 1979. From Conquest to Revolution
- SPAN 2070.03: Mexico and Central America: From Revolution to Drug Wars

- SPAN 2109.03: Cuba from Colonial Times to 1961
- SPAN 2110.03: Cuba in Revolution, 1961-the Present
- SPAN 2130.03: Latin American dictators: From Fact to Fiction
- SPAN 2200.03: Latin American Culture: From the Maya to the 21st Century
- SPAN 3515.03: Intro to Latin American Literature
- SPAN 3510.03: Literatura hispanoamericana contemporanea
- SPAN 3408.03: The Cuban Development Model

List B: 12 credit hours from the following:

- HIST 2381.03: Latin America
- HIST 2386.03: Colonial Latin America
- HIST 3390.03: Latin America: Revolution and Repression
- HIST 4300.03: Topics in Latin American History
- INTD 3302.03: Social Development in Cuba
- INTD 3303.03: The Political Economy of Cuba
- INTD 3304.03: Sustainable Development in Cuba
- INTD 3310.06: Cuban Culture and Society
- INTD 3401.03: Seminar in Development Studies
- POLI 3360.03: Politics in Latin America
- SOSA 3168.03/GWST 3168.03: Issues in Latin American Society

Programs and Courses Abroad

The Salamanca Program at the Universidad de Salamanca

The Salamanca Program is a special inter-disciplinary program of instruction designed to allow Dalhousie students to undertake both an intensive study of the Spanish language and courses in Spanish culture. Students must have completed SPAN 2020X/Y.06 with at least a standing of B-. The program takes place during the fall, winter, spring or summer term, and is offered at the Universidad de Salamanca in Salamanca, Spain. Dalhousie University will grant 18 credit hours to those students who successfully complete their courses in Spain. Enquires and applications should be addressed to the coordinator of the Program. Students will register via Letter of Permission and will receive grades on a Pass/Fail basis. The courses will be noted on the student's academic record as a transfer credit.

Students must take the equivalent of three full courses.

Compulsory courses:

- Lengua española (nine credit hours)

Students will then select ONE course from each of the following three Options.

Option 1

- Conversación y redacción (three credit hours)
- La mujer en la historia de España (three credit hours)
- Historia de la España contemporánea (three credit hours)

Option 2

- Cultura española (three credit hours)
- Literatura española e hispanoamericana (three credit hours)
- El mundo árabe en el mundo hispánico (three credit hours)
- Destrezas orales y escritas (three credit hours)

Option 3

- Historia del arte español (three credit hours)
- Español de los negocios (three credit hours)
- Cine español e hispanoamericano (three credit hours)

The Cuba Program at FLACSO/Havana

This program is given by FLACSO/Havana and generally takes place in the winter term. All course work is conducted in the Spanish language. Students must have completed SPAN 2020X/Y.06 with at least a standing of B-. See course descriptions for INTD 3301.03, INTD 3302.03, INTD 3303.03, INTD 3304.03, and INTD 3306.06 in the International Development Studies Section of this Calendar. Students are able to receive either INTD or SPAN credits. For more information, please contact the Department of International Development Studies.

The Mexico Program at the University of Campeche

This program, designed for students with a minimum of two years' university-level Spanish, is located at the Universidad Autónoma de Campeche, in the southwest of the Yucatán peninsula, in Mexico. Students must have completed SPAN 2020X/Y.06 with at least a standing of B-. It started in the Fall of 1998, and is administered by the university's Centro de Español y Maya. Students can be located with Mexican families if they desire. They are also encouraged to travel and see the superb Maya architectural sites in the Yucatán region. The city of Campeche, situated on the Caribbean coast, has a population of approximately 190,000. It was founded in 1540. The cities of Halifax and Campeche twinned in 1998, and there have been several educational, political, and commercial exchanges. This program is offered in the fall semester only.

Students will register for courses via Letter of Permission and will receive grades on a Pass/Fail basis. The courses will be noted on the student's academic record as a transfer credit.

Courses taken at the University of Campeche are:

- Gramática Intensiva (six credit hours)
- Vocabulario Intensivo (six credit hours)
- Historia Mexicana (six credit hours)

The Peru Program at the Pontificia Universidad Católica del Perú

This program takes place during four weeks in July in Lima, at the Pontificia Universidad Católica del Perú (PUCP). Founded in 1917, today it is among the thirty most important universities in Latin America and occupies the first position in Peru. Students will study Spanish and Peruvian culture courses. The program offers four visits to the main cultural attractions in Lima to provide the subject of discussion in the language course. Students will have a PUCP buddy service to help them adapt to the academic and social life at PUCP as well as to the city of Lima and enrich the learning experience of the Spanish language. Students will stay at Peruvian families' homes where they will find every amenity they need and receive breakfast and dinner. All classwork is conducted in Spanish.

Students must have completed SPAN 2020X/Y.06 with at least a standing of B-.

Dalhousie University grants 9 or 12 credit hours to those students who successfully complete their classes in Peru. Students will register via Letter of Permission and grades will be entered on a Pass/Fail basis. Courses will appear on the student's academic record as transfer credits.

Students will register for the following courses for a total of 9 or 12 credit hours:

- Advanced Spanish (three credit hours)
- Peruvian Culture (three or six credit hours)
- Practical Experience (three credit hours)

SPAN 3310.06: Cuban Culture and Society

See course description for INTD 3310.06 in the International Development Studies section of this calendar.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Courses Offered on Campus

PLEASE NOTE:

If you have taken two or more years of Spanish in High School or have studied it previously in another institution, you need to take the **Spanish Placement Test (SPT)**.

The **Spanish Placement Test** is a one and a half hour standardized multiple-choice test that is designed to assess your current level in Spanish and place you in the course better suited to your needs. Students who wish to register for a language course before taking this test may do so, but care should be taken in choosing it. Please read the course descriptions below carefully and try not to underestimate your knowledge.

This test is administered online. Please contact our Academic Advisor (spanish.advising@dal.ca) to register for the test. Scores from this test are normally available within a day, and are considered valid for up to a year from the date it was taken.

Students who are taking or have taken any language course at Dalhousie do NOT need to take this test.

Not all courses are offered every year. Please consult the current timetable.

Course Descriptions

SPAN 1015 Spanish on the Go

CREDIT HOURS: 3

SPAN 1015 is a hands-on, practical approach to learning Spanish. Students will gain a working knowledge of Spanish by engaging in communicative activities, role play, and task-based activities. The objective of this class is to facilitate students' functional ability in Spanish and to enable them to participate in various everyday activities when they are in a Spanish-speaking context.

EXCLUSIONS: SPAN 1020X/Y.06, SPAN 2020X/Y.06

SPAN 1020X/Y Beginning Spanish

CREDIT HOURS: 6

In SPAN 1020 students will acquire a general knowledge of Spanish by engaging in communicative and task based activities that focus on developing speaking, listening, reading and writing skills. This course follows the A1/A2 levels of the Common European Framework of Reference for Languages (CEFR). Students will gain competence in grammatical structures, vocabulary, pronunciation and cultural awareness.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

SPAN 1025 Advanced Beginning Spanish

CREDIT HOURS: 3

Students with prior knowledge of Spanish will join SPAN 1020 X/Y.06 at midyear for the winter semester only. This course follows the A2 level of the Common European Framework of Reference for Languages (CEFR). Students will gain competence in grammatical structures, vocabulary, pronunciation, and cultural awareness.

PREREQUISITE: Knowledge of Spanish to the equivalent of first half of SPAN 1020X/Y.06

EXCLUSIONS: SPAN 1020X/Y.06

SPAN 1200X/Y Spanish for Reading

CREDIT HOURS: 6

For students who wish to acquire reading knowledge of Spanish for general academic purposes. Overview of fundamentals of Spanish grammar and vocabulary, with emphasis on reading for comprehension of texts in the arts, humanities and social sciences. This course does not satisfy the Bachelor of Arts Language Requirement (see SPAN 1020).

NOTES: Credit can be given for this course only if X and Y are completed in consecutive terms; partial credit cannot be given for a single term.

PREREQUISITE: None. Open to students in all departments. No prior knowledge of Spanish is necessary

SPAN 2005 Español Práctico - Nivel Intermedio

CREDIT HOURS: 3

The objective of this course is to continue developing the four language skills in a practical setting. This course is required for the Minor in Spanish Language and should be taken in the same academic year as SPAN 2020XY.06. Students planning to take any of our programs abroad or the Diploma of Spanish as a Foreign Language (DELE) (B1 level) will find the course particularly useful.

LECTURE HOURS PER WEEK: 3

COREQUISITE: SPAN 2020XY.06 (B1 level)

PREREQUISITE: Span 1020XY.06 (A2 level), equivalent or instructor's permission

RESTRICTIONS: May not be taken after SPAN 2020XY.06 or any Spanish 3000 level language course

SPAN 2020X/Y Intermediate Spanish

CREDIT HOURS: 6

In SPAN 2020 students will acquire an intermediate knowledge of Spanish equivalent of a B1 level, by adopting an action oriented approach and engaging in communicative and task based activities. This course follows the system for learning, teaching and assessing languages established by the Common European Framework of Reference for Languages (CEFR) that defines the competencies the students need to master in the following categories: Comprehension (Listening and Reading) and Expression (Interaction, Oral and Writing).

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: SPAN 1020X/Y.06 or SPAN 1025.03

SPAN 2025 Advanced Intermediate Spanish

CREDIT HOURS: 3

Students whose level of Spanish is higher than the first semester of Span 2020 but lower than Span 3035 will join the Span 2020 course for the second semester. Students will acquire an intermediate knowledge of Spanish equivalent of a B1.2 level, by adopting an action oriented approach and engaging in communicative and task based activities. This course follows the system for learning, teaching and assessing languages established by the Common European Framework of Reference for Languages (CEFR) that defines the competencies the students need to master in the following categories: Comprehension (Listening and Reading) and Expression (Interaction, Oral and Writing).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Knowledge of Spanish equivalent to the first half of SPAN 2020X/Y (B1.1 level. Students should contact the department Academic Advisor to register for the Online Placement Test.

EXCLUSIONS: SPAN 2020X/Y.06

SPAN 2040 Spanish for Business

CREDIT HOURS: 3

Spanish for business and international trade. Introduction to the Spanish of international business and to the social cultural norms of negotiation in Spanish-speaking countries.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020X/Y.06

SPAN 2069 Mexico and Central America to 1979: From Conquest to Revolution

CREDIT HOURS: 3

Events in Central America are frequently covered in our media, causing people to believe that "the unrest" there is recent. This course seeks to examine the historical roots of the conflict from the colonial period until the 1970s. The aim of the course is to provide students with a background knowledge of this area, so that they can better understand current developments there.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2382.03

SPAN 2070 Mexico and Central America since: From Revolution to Drug Wars

CREDIT HOURS: 3

Following an examination of the indigenous heritage, and the colonial legacy of the conquistadors, the course deals principally with the contemporary period, examining the Mexican Revolution and its aftermath, Nicaragua under the Sandinistas, the impact of NAFTA, the "democracy" of Mexico, gang wars and narcotics, the U.S. role in the region, the human rights situation in Central America, and probable developments in the region. The course is designed to provide an understanding of the contemporary reality of this volatile region.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2383.03

SPAN 2090 Introduction to Hispanic Literary Study

CREDIT HOURS: 3

This course will introduce students to literary analysis and critical writing in Spanish. Readings will include works from a variety of periods, genres and regions.

NOTES: Does not fulfill the literature requirement for any Spanish degree programs.

FORMAT: Lecture

PREREQUISITE: SPAN 2020X/Y.06

SPAN 2100 Evolving Spain: History, Culture, Society

CREDIT HOURS: 3

This course provides an overview of the major sociopolitical and cultural elements, from the Middle Ages to the present, that formed contemporary Spain.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary.

CROSS-LISTING: HIST 2065.03

SPAN 2105 Catalan Language and Culture

CREDIT HOURS: 3

Introduction to Catalan, the Romance language spoken by some 8 million people in northeastern Spain-Barcelona and Catalonia - southern France, the Balearic Islands and Sardinia. Elementary Catalan language and an introduction to Catalan culture.

FORMAT: Lecture| Discussion

PREREQUISITE: Two years' study of any Romance language, or permission of instructor

SPAN 2109 Cuba from Colonial Times to 1961

CREDIT HOURS: 3

While many people are aware of the impact of the Cuban Revolution of 1959, few are aware of the kind of society that existed in Cuba beforehand. This course seeks to

examine the historical roots of the country from the colonial period until the 1960's, with particular attention being paid to socio-cultural aspects. The objective is to provide students with a background knowledge of this country and its current reality.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2384.03

SPAN 2110 Cuba in Revolution, 1961- the Present

CREDIT HOURS: 3

Cuba, the only Communist society in the Western Hemisphere, has undergone a dramatic political and economic transformation. The Revolution has also brought about changes in education, the arts, the role of women, race relations, and athletics. The course focuses on the problems and achievements of the Revolution, the peculiarities of Communism in a Caribbean society, and its effect on literature and the arts. Particular attention is spent on the post-1990 period.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2385.03

SPAN 2130 Latin American dictators: From Fact to Fiction

CREDIT HOURS: 3

The history of Latin America since Independence has been characterized by the rise to power of countless dictators. Some of the best Latin American novels portray these almost mythical figures who to this day wield absolute power in many countries. The course examines the literature and history of this phenomenon with particular attention to the twentieth century, and attempts to discover its roots in militarism, underdevelopment, and imperialism.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2388.03

SPAN 2150 Hispanic Identities Through Film

CREDIT HOURS: 3

This course focuses on the concept of Hispanic identity, through the study of contemporary and historical sociocultural and geopolitical issues, as manifested in cinema from around the Spanish-speaking world.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020X/Y.06 or equivalent

SPAN 2200 Latin American Culture: From the Maya to the 21st Century

CREDIT HOURS: 3

The aim of this course is to provide basic understanding of this varied and historic area. This course examines the development of Latin America from pre-Columbian times to the present. It also examines the way in which the reality of Latin America has shaped a continental cultural identity.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary.

SPAN 3005 Espanol Practico - Nivel avanzado

CREDIT HOURS: 3

The objective of this course is to continue developing the four language skills in a practical setting. This course could be taken as part of the Minor in Spanish Language as well as a 3000 level elective for other Spanish degrees. It should be taken in the same academic year as Span 3035/3036. This course will be particularly useful to students planning to write the Diploma of Spanish as a Foreign Language (DELE)(B2 level)

FORMAT: Lecture

PREREQUISITE: SPAN 2020X/Y.06 (B1 Level) or equivalent or instructor's permission

SPAN 3020 Translation

CREDIT HOURS: 3

Exercises in translation, from Spanish to English. This course assists students to understand the basic strategies of translation.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020X/Y.06, or equivalent

SPAN 3025 Traducción: Inglés-Español

CREDIT HOURS: 3

The objective of this course is to develop basic translation skills through the practice of translating English texts into Spanish. The approach would be methodological and practical: theoretical issues will be discussed to solve translation problems. After establishing the fundamental concepts, the course will progress to examine a series of important aspects of translation; cultural trans-position, phonic, graphic and prosodic problems, grammatical and lexical issues, language variety in texts, etc. Each aspect outlined will have a practical component in which students are given a concrete translation task to solve. Group and class discussions will follow. The aim of the course is to provide students with a general view of the mechanics of translation to then encourage the creative aspects of the process.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 3035.03 or equivalent

SPAN 3035 Advanced Spanish I

CREDIT HOURS: 3

The objective of this course is to reinforce and expand students' skills in listening, speaking, reading, writing, integrated with an advanced grammar review and extended vocabulary.

FORMAT: Lecture

PREREQUISITE: SPAN 2020X/Y.06, or equivalent

EXCLUSIONS: SPAN 3010.03, SPAN 3015.03, SPAN 3030.03, SPAN 3060.03

SPAN 3036 Advanced Spanish II

CREDIT HOURS: 3

A continuation of SPAN 3035. The objective of this course is to reinforce and further students' skills in listening, speaking, reading, writing, integrated with an

advanced grammar review and extended vocabulary.

FORMAT: Lecture

PREREQUISITE: SPAN 3035.03. or equivalent

EXCLUSIONS: SPAN 3010.03, SPAN 3015.03, SPAN 3030.03, SPAN 3060.03

SPAN 3090 Spanish Phonetics and Pronunciation

CREDIT HOURS: 3

This course seeks to introduce students to the analysis of the sound system of Spanish. Students will learn to identify and adjust non-native patterns of pronunciation through contrastive analysis, transcriptions and pronunciation practice. Students will master basic concepts and techniques of phonetic analysis and the general phonological characterization of Spanish dialects. The course will focus on the attributes of Spanish sounds, differences between the English and the Spanish sound systems, and the main differences among varieties of Spanish.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020X/Y.06 or equivalent

SPAN 3095 Evolution of Spanish

CREDIT HOURS: 3

This course offers a panoramic study of the evolution of spoken Latin into modern Spanish (no prior knowledge of Latin required). Topics covered will include: the major historical events that influenced the evolution of Spanish; phonological change; morphological and syntactic change; lexical borrowings from other languages; and semantic change.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020 X/Y.06 or equivalent

SPAN 3190 Conversation & Expression

CREDIT HOURS: 3

This course is conducted in Spanish and engages students in conversation in a variety of formats toward the goal of further developing oral proficiency. We will aim to improve oral expression, conversation, and listening comprehension. Short essays or videos on topics of current interest are prepared outside of class and serve as the basis for general class discussions. Although the course deals mainly with conversation, many of the exercises will be directed toward oral practice of verb structure and tenses learned in the previous courses. Activities include improvisations and focus on small group and pair work as well as individual presentations. Students will strengthen oral skills and build vocabulary through practice in different types of discourse, including narration, description, critical commentary, debate, roll play, listening to music, reading newspapers and watching the news.

FORMAT: Seminar| Discussion

PREREQUISITE: SPAN 3035.03

SPAN 3215 Seminario de literatura latinoamericana

CREDIT HOURS: 3

This course studies the work of Latin American women writers. It seeks to introduce students to critical approaches and recurring themes in Latin American women's literature. Representative works are studied within their historical and cultural context. Readings include novels, short stories, plays and caricatures.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

SPAN 3310 Cuban Culture and Society

CREDIT HOURS: 6

See course description for INTD 3310.06 in the International Development Studies section of this calendar.

SPAN 3408 The Cuban Development Model

CREDIT HOURS: 3

This course examines the evolution of the Cuban development model, from the Conquest and colonization by the Spanish to the reforms of the early 21st Century. The objective is to develop an understanding of the various development strategies employed by Cuba, particularly since the revolution of 1959. When asked about the Cuban development model, most people nowadays would say "tourism". Thirty years ago it was sugar--as it had been from the beginning if the 16th Century. In fact Cuba obtains most of its hard currency from medical-related services--mainly from the exportation of medical services, but also from the sale of sophisticated biotechnological products. Cuba's approach has evolved dramatically in the last two decades, and particular attention will be paid to this period.

FORMAT: Lecture| Discussion

PREREQUISITE: No prerequisite. Open to students in all departments. No knowledge of Spanish necessary.

CROSS-LISTING: INTD 3408.03

ASSESSMENT METHOD: Two papers (20% each) and One final paper (60%)

SPAN 3500 Literatura española contemporánea

CREDIT HOURS: 3

This course is a survey of the most important authors of Spanish contemporary literature. Students will study internationally well known writers such Rosa Montero, Arturo Pérez-Reverte, Manuel Vázquez Montalbán, and others. Areas of special focus may include the writings of Antonio Muñoz Molina and Eduardo Mendoza, both of whom are considered representative of the Spanish transition period. The aim of this course is to introduce students to a specific area of Spanish literature focusing on the historic context in which the novels are written.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

SPAN 3505 Introduction to Spanish Literature

CREDIT HOURS: 3

This course is an introduction to Spanish literature presenting selected works of prose, poetry and theater from Spain. This is a survey of literature from the Middle Ages to the 20th century. Entirely conducted in Spanish, normally taken in the second or third year of study, the everyday work in this class involves group discussion and lectures. The aim of this course is to introduce students to general notions of literary history and to the basic concepts involved in reading literary texts with particular emphasis on the development of both oral and written linguistic expression.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

EXCLUSIONS: SPAN 2500.03

SPAN 3510 Literatura hispanoamericana contemporánea

CREDIT HOURS: 3

This is a panoramic course that studies Latin American literature from the "boom" to the present. It is divided into five sections, each of which will focus on a literary genre: short stories, essays, journalism, theatre and novels.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

SPAN 3515 Introducción a la literatura latinoamericana (Intro to Latin American Literature)

CREDIT HOURS: 3

This is a panoramic course that serves as an introduction to Latin American literature. It is based on a selection of prose and poetry from the most representative periods and authors, spanning from pre-Columbian times to the twentieth century.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

EXCLUSIONS: SPAN 2510.03

SPAN 3520 Topics in Culture & Identity in the Spanish-Speaking World

CREDIT HOURS: 3

A broad outline of the interaction between culture and identity in the Hispanic world. Focus will be on the end of the 19th and the 20th centuries, and the connection between artists and identity in relation to political, culture and social forces. Selected works of artistic expression (art, literature, music, etc.) become the point of departure for understanding the Spanish-speaking world. Specific topics may vary.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2020X/Y.06 and SPAN 2090.03

SPAN 3525 Historia e historias: la literatura como alternativa

CREDIT HOURS: 3

This course is designed for advanced students who have taken the available courses at the 2000 level or equivalent. During this course students will explore the relationship between science and literature, especially subversive representations of History in fictional texts during the 20th century. Lectures will be organized on a chronological basis and will cover different Spanish-speaking cultural areas. The aim of this course is to introduce students to a specific area of Hispanic literature focusing on the historic facts included in novels and essays.

FORMAT: Lecture| Discussion

PREREQUISITE: SPAN 2090.03

SPAN 3905 Estudios hispánicos avanzados

CREDIT HOURS: 6

This course offers the student an opportunity to study aspects of Hispanic culture not already included in other language offerings or in literature courses more narrowly defined by period, genre, etc. It takes advantage of special research interest of staff or the unique expertise of visiting faculty to provide instruction not regularly available here.

FORMAT: Lecture

PREREQUISITE: SPAN 2020X/Y.06

SPAN 3920 Experiential Learning

CREDIT HOURS: 3

Experiential learning combines formal learning with practical experience using the Spanish language; students are required to volunteer/intern for a minimum of 60 hours over the term, or approximately 4-5 hours per week. Students will also compile a portfolio under the supervision of the course instructor, to include relevant readings and assignments (these may include reading responses, reports, presentations, essays).

FORMAT: Discussion

PREREQUISITE: SPAN 2020X/Y.06

SPAN 3970X/Y Lecturas dirigidas de literatura Hispanoamericana

CREDIT HOURS: 3

PREREQUISITE: SPAN 2090.03

SPAN 3975X/Y Estudios hispánicos dirigidos

CREDIT HOURS: 3

SPAN 3980X/Y Lecturas para especialistas

CREDIT HOURS: 3

SPAN 4980X/Y Honours Reading Class

CREDIT HOURS: 3

PREREQUISITE: Only open to students in graduating year of Spanish Honours program.

SPAN 4985X/Y Independent Advanced Hispanic Studies

CREDIT HOURS: 3

PREREQUISITE: Only open to students in graduating year of Spanish Honours program.

Theatre - Fountain School of Performing Arts

Location:

Building/Room: Dalhousie Arts Centre
Street Address 1: 6101 University Avenue
Street Address 2: Room 514
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-3772
Fax: (902) 494-2801
Website: dal.ca/performingarts
Email Address: fspa@dal.ca

Introduction

The Fountain School of Performing Arts offers many ways to study the theatre or some aspect of it in tandem with other disciplines offered by the university.

1. You can undertake programs that lead to a university degree: an Honours or Combined Honours BA (120 credit hours) or a BA with Major (120 credit hours)
2. You can enroll in a Diploma program in Costume Studies (two years) which combines academic study and research skills with creative design interpretation and applied skills;
3. You can complete a Minor in Theatre to enhance your degree.
4. You can select certain theatre courses to reinforce and complement your studies in other disciplines offered by the university;

The degree programs involve a curriculum of Theatre courses and a selection of other courses in different disciplines. The University has Academic Regulations which specify how these programs must be arranged. These regulations are all listed earlier in this Calendar, and prospective students should refer to them to become aware of the opportunities offered. There are a surprising number of different ways to arrange one's studies; recommended here are the paths you can follow if Theatre is your primary interest.

Facilities

The Fountain School of Performing Arts is located in the Dalhousie Arts Centre. Theatre facilities include one proscenium theatre, two studios, and supporting workshops. Teaching spaces for costume studies are currently located off-campus. The School office is in Room 514 of the Arts Centre.

Because of the work involved, some theatre courses have a limited enrolment. All students wishing to take any practical course in Theatre should, therefore, first consult with the Fountain School.

PLEASE NOTE: Theatre by its nature requires evening work. Students, especially in Acting, Technical Theatre and Stage Design, and Costume courses, are advised not to undertake other evening commitments.

Degree Programs

In addition to the Fountain School requirements listed below, students must satisfy the requirements outlined in the Degree Requirements section of this calendar.

BA Honours in Theatre Theatre Studies

This degree is designed for students who wish to follow a program of theatre studies that keeps the whole of theatre in perspective, is academically oriented, and serves as a strong foundation for graduate degrees in Theatre and Drama, or as a good preparation for a variety of professional and education degrees. Honours students must maintain an average of at least B+ in all of their advanced Theatre courses.

Year 1

- THEA 1000X/Y.06
- six additional credit hours in THEA at 1000-level
- three courses in other subjects

Year 2

- THEA 2011.03
- THEA 2012.03
- THEA 2901.03
- THEA 2902.03
- 18 credit hours in other subjects

Years 3 and 4

- THEA 3200X/Y.06
- THEA 3501.03
- THEA 3502.03
- THEA 3600X/Y.06
- THEA 4500.03
- THEA 4501.03
- 18 credit hours in advanced electives in THEA
- six credit hours in advanced course in dramatic literature from another department (ENGL, CLAS, RUSS, SPAN, FREN, GERM, etc.)
- 12 credit hours in other subjects, including THEA

An additional six credit hours (the Honours Qualifying Project) consists of fulfilling the function of a dramaturge or assistant director on one of Fountain School stage productions.

NOTE: Applications for Honours in Theatre are not considered by the Fountain School of Performing Arts until the winter term of the student's third year. Please enquire at the School for the relevant deadline.

Acting

The main objective of the Acting Program is to satisfy the needs of those students who have decided to pursue a career as performers in the professional theatre. The program is progressive in nature, culminating in a company of student actors who perform in three theatrical productions in the Fountain School season in their fourth year, plus a course project. Third year students in the Acting Program will participate in the third play of the Fountain School season. Auditions are held at the end of the first year for admission into the upper years of study. In addition to meeting degree requirements, students must achieve a B in all Acting Program courses, and must also be recommended by the Acting Faculty in order to advance to the next year's course of study. The program provides these students with professional training and the benefits of a liberal-arts education at a major Canadian university. Honours students must maintain an average of at least B+ in all of their advanced Theatre courses.

Year 1

- THEA 1000X/Y.06
- THEA 1800X/Y.06
- 18 credit hours in other subjects

The second year of the Acting Program introduces students to the fundamental principles of acting through the study of Shakespearean text, voice, and movement. Emphasis is placed on the discipline and dedication that is the basis for a career in the professional theatre.

Year 2

- THEA 2011.03
- THEA 2012.03
- THEA 2800X/Y.06
- THEA 2810X/Y.06
- THEA 2820X/Y.06
- six credit hours in other subject

The third year of the Acting Program is structured to build on the knowledge acquired in the previous two years. Students learn how to integrate what they have discovered as they gain further understanding of skills, techniques and creative expression. Third-year students perform in one play of the Fountain School season and may be invited to perform in others, depending upon the needs of the plays chosen and the student's readiness for the performance situation as assessed by the Acting Faculty.

Year 3

- THEA 3800X/Y.06
- THEA 3810X/Y.06
- THEA 3820X/Y.06
- MUSC 1081.03
- nine credit hours in other subjects

In the final year of the Acting Program, students' studies are geared toward performance and entering the world of professional acting. The company of fourth year Acting Program students will be cast in three plays within the Fountain School season. Courses are devoted to preparing the student actor for transition into the profession.

Year 4

- THEA 4800X/Y.06
- THEA 4840X/Y.06
- THEA 3501.03
- THEA 3502.03
- 12 credit hours in other subjects (one of these can be in THEA)

Honours Acting students will qualify for Honours with the satisfactory completion of a professional portfolio.

NOTE: Applications for Honours in Theatre are not considered by the Fountain School of Performing Arts until the winter term of the student's third year. Please enquire at the School for the relevant deadline.

Technical Theatre and Stage Design

This degree is designed for students wishing to pursue careers in technical theatre and stage design. This section encompasses all areas of specialization that work together in the production of live performance. Set design, scenic carpentry, scenic painting, lighting, sound, props and stage management are taught through lectures and hands-on labs. Students in the first year of the program are required to work on one Fountain School stage production, and those in second and third years work on four Fountain School stage productions each year. All students must maintain at least a B- average in all Technical Theatre and Stage Design courses to move on to the next year, and Honours students must maintain an average of at least B+ in all their advanced Theatre courses.

Year 1

- THEA 1000X/Y.06
- THEA 1050X/Y.06
- 18 credit hours in other subjects

Year 2

- THEA 2011.03
- THEA 2012.03
- THEA 2060X/Y.06
- THEA 2070X/Y.06
- THEA 2700X/Y.06
- six credit hours in other subject

Year 3

- THEA 3060X/Y.06
- THEA 3070X/Y.06
- THEA 3710X/Y.06
- 12 credit hours in other subjects

Year 4

- THEA 3501.03
- THEA 3502.03
- 12 credit hours in advanced level electives in theatre

- 12 credit hours in other subjects, including up to one in theatre.

The Honours Qualifying Project in Technical Theatre and Stage Design will be awarded upon successful completion of a departmentally approved project.

NOTE: Applications for Honours in Theatre are not considered by the Fountain School of Performing Arts until the winter term of the student's third year. Please enquire at the School for the relevant deadline.

NOTE: Interested students studying Technical Theatre and Stage Design may find occasional, paid employment with Neptune Theatre, the Rebecca Cohn Auditorium, IATSE Local 680 (International Alliance of Theatrical Stage Employees), and various other local and national, professional institutions with which the Fountain School of Performing Arts has a close connection.

Costume Studies

This program combines the academic study and research skills necessary to the understanding of costume in its broadest context with the creative interpretation of design and the applied skills of the costumer whose goal is to work in the theatre, film, museums, or historical animation. Some courses in Costume Studies are open to general BA students; see individual course listings. Honours students must maintain an average of at least B+ in all of their advanced theatre courses.

Year 1

- THEA 1000X/Y.06
- THEA 1450X/Y.06
- TEXTL 3320 (NSCAD)
- TEXTL 2100 (NSCAD)
- 12 credit hours in other subjects

Year 2

- THEA 2011.03
- THEA 2012.03
- THEA 2400X/Y.06
- THEA 2406X/Y.06
- THEA 2411.03
- THEA 2451.03
- six credit hours in other subjects

Year 3

- THEA 3401X/Y.06
- THEA 3451X/Y.06
- THEA 3454.03
- THEA 3455.03
- 12 credit hours in other subjects

Year 4

- THEA 3501.03
- THEA 3502.03
- THEA 4406X/Y.06
- THEA 4450.03
- THEA 4452.03
- 12 credit hours in another subjects

Upon acceptance into their program, students should contact the undergraduate advisor in the Fountain School of Performing Arts for information on registering for required courses that take place at NSCAD University.

Honours students in Costume Studies will be awarded the Honours Qualifying Project upon successful completion of a 25-page research paper on an aspect of theatrical costume or historical dress.

NOTE: Applications for Honours in Theatre are not considered by the Fountain School of Performing Arts until the winter term of the student's third year. Please enquire at the School for the relevant deadline.

BA Combined Honours

Dalhousie and University of King's College students can also combine their Theatre degrees with a number of other disciplines at the two institutions. For more specific instructions on how to set up a Combined Honours degree in Theatre and another subject, please consult the relevant departments' Undergraduate Advisors. In principle, a student who wishes to graduate with this degree must complete at least THEA 2011.03, THEA 2012.03, THEA 3501.03, and THEA 3502.03, and must fulfil at least the minimal requirements for a three year BA. They must have, in the two subjects combined, the required distribution of courses.

Music and Theatre

The Fountain School of Performing Arts offers a highly specialized 120 credit hour BA with a Combined Honours in Music and Theatre which blends the principal courses of the Bachelor of Music in Voice with Theatre courses in Acting and Movement. Students must audition for both the Music and Theatre programs. A maximum of five students will be selected for entrance into the program each year. The graduate of this program will advance toward a professional career in the performing arts equipped with a foundation in music and theatre.

Please refer to BA with Combined Honours in Music and Theatre section for requirements.

BA (120 credit hour) Major in Theatre

A student may take a 120 credit hour Major program in Theatre (in Theatre Studies, Acting, Scenography and Technical Scenography or Costume Studies), following consultation with the appropriate Associate Director. As in the case of a BA with Combined Honours, it is also possible to set up a Double Major in Theatre and another subject. In this case, a student must complete at least THEA 2011.03, THEA 2012.03, THEA 3501.03, and THEA 3502.03 and fulfil at least the minimal requirements for a three year BA. They must have the required distribution of courses in the two majoring subjects as outlined in the Degree Requirements section of this Calendar.

BA (90 credit hour) Minor in Theatre

This degree is designed for students who want to take a number of courses in Theatre, would like to acquire a broad and varied knowledge of its various aspects, or are not interested in specializing. Students are advised to take THEA 1000X/Y and six additional credit hours in THEA at the 1000 level, although these do not count toward the minor.

See the Minor in Theatre section of this Calendar.

Costume Studies, Diploma in two years

After successful completion of this program, students may upgrade their DCS to a BA in Theatre (Costume Studies). Students pursuing the Diploma in Costume Studies are required to combine the courses in the following manner:

Year 1

- THEA 1450X/Y.06
- THEA 2400X/Y.06
- THEA 2406X/Y.06
- THEA 2411.03
- THEA 2451.03
- TEXTL 3320 (NSCAD)
- TEXTL 2100 (NSCAD)

Year 2

- THEA 3401X/Y.06
- THEA 3451X/Y.06
- THEA 3454.03
- THEA 3455.03
- THEA 4406X/Y.06

- THEA 4450.03
- THEA 4452.03

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses so designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

THEA 1000X/Y Introduction to Theatre

CREDIT HOURS: 6

The purpose of this course is twofold: first, to introduce students to the study of theatre through analysis of a range of plays related to the Fountain School; and second, to instruct students in the methodology of writing in the humanities. Students will learn about the theatrical production process and practice skills of script and performance analysis. Students will address specific problems within their papers and discuss questions on an individual basis in writing tutorials. This course fulfills the writing requirement of Dalhousie University and is a prerequisite for all Theatre majors.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

THEA 1050X/Y Introduction to Theatre Organization and Stagecraft

CREDIT HOURS: 6

This course takes the student behind the scenes to understand how a play is brought to life. Scenography is discussed and explored. Students are introduced to stage design and scenic carpentry, props, sound, lighting, stage management and costume. Methods and procedures for theatre productions make up the substance of this course. Students are expected to work with power tools and are required to work on one Fountain School production, which will include evening and weekend work outside of class time. Some supplementary equipment is required for this course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 4

THEA 1300X/Y Introduction to Film

CREDIT HOURS: 6

This course is a general introduction to film studies. It examines film genres and history, the component elements of film, the diversity of cinema industries and institutions, and the medium's impact on society. It also instructs students in the methodology of writing in the humanities and fulfils the writing requirement of Dalhousie University.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Tutorial

THEA 1450X/Y Introduction to Costume Studies

CREDIT HOURS: 6

This course serves as an introduction to costume in its broadest context, enabling students to acquire a basic understanding of creating costume for the stage. Both modern and historical costume creation techniques are explored and mastered by students in preparation for more advanced study of costume in subsequent years of the Costume Studies Program. This course includes a theatre component. This course is a prerequisite for all other Costume Studies courses.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Lab

THEA 1800X/Y Introduction to Acting and Performance

CREDIT HOURS: 6

This course is designed to provide the beginning acting student with an understanding of what it is to act, and to introduce some basic performance techniques. The approach will be practical, focusing on three major aspects of the craft: Space, Character, and Action. Each unit will be comprised of exercises and scene study, with scripts drawn from classical and contemporary plays. Exercises and explorations in class, requiring full-bodied participation and commitment, are centred on group work and ensemble play, which will strengthen communication and teamwork, as well as develop improvisational skills. Students will challenge themselves physically, vocally and imaginatively, while working with others to create an ensemble and a trusting, dynamic environment.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. THEA 1800X/Y.06 is the pre-requisite for an audition for the Acting Program.

FORMAT: Lecture| Lab

RESTRICTIONS: Students cannot register THEA 1800 and THEA 2000 at the same time.

THEA 2000X/Y Theatre Performance

CREDIT HOURS: 6

This course is designed to provide experience in performance outside the Acting Program. Through practical theatre exercises and performance assignments, students experience and discuss elements which contribute to theatre performance. This course will not serve as a prerequisite to the Acting Program, but is suitable for students having completed THEA 1800, or any student interested in cultivating self-confidence, communication, and performance skills.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Lab

RESTRICTIONS: Students cannot register for THEA 1800 and THEA 2000 at the same time.

THEA 2011 Classical Theatre

CREDIT HOURS: 3

This course gives students an opportunity to study the dramatic literature, staging practices, and theoretical foundations of the early history of theatre. Specific topics covered include ancient Greek, Roman, and medieval European performance, as well as classical Asian theatres. Although there is no formal prerequisite for the course, students should normally be in their second year of study. A background in theatre, history, and/or dramatic literature will be an advantage.

FORMAT: Lecture| Seminar

THEA 2012 Early Modern Theatre

CREDIT HOURS: 3

This course is in a sense the sequel to THEA 2011.03, though that course is not a prerequisite. It aims to study the development of dramatic literature, staging practices, and criticism from the Renaissance, Neoclassical, and Romantic eras of theatre. There is no formal prerequisite, but students should normally be in at least the second year of study. A background in history, theatre and/or dramatic literature will be an advantage.

FORMAT: Lecture| Seminar

THEA 2020X/Y Jazz Dance I (Spring Session Only)

CREDIT HOURS: 6

This course is a practical exploration into the Luigi Jazz Dance technique, incorporating the use of space, rhythm, and correct body alignment. Emphasis is on the development of personal expression through the medium of dance. Students are expected to develop an awareness of dance terminology and vocabulary.

FORMAT: Lecture| Lab

CROSS-LISTING: MUSC 2130.06

THEA 2043 How iRead the Eye-Books: Film Adaptations of World Literature I

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: RUSN 2043.03, ENGL 2043.03

EXCLUSIONS: RUSN 2045.06, ENGL 2045.06, THEA 2347.06

THEA 2044 How iRead the Eye-Books: Film Adaptations of World Literature II

CREDIT HOURS: 3

In this course, we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture| Discussion

CROSS-LISTING: ENGL 2044.03, THEA 2044.03

EXCLUSIONS: RUSN 2045X, THEA 2347X, ENGL 2045X

THEA 2060X/Y Technical Theatre I

CREDIT HOURS: 6

This course builds on the fundamentals acquired in THEA 1050 and is a supplement to Performance Technology I. Lectures and labs include theory development in the areas of props, lighting, sound, set design, scenic construction, and stage management.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 2070X/Y.06

PREREQUISITE: THEA 1050X/Y.06

THEA 2070X/Y Performance Technology I

CREDIT HOURS: 6

This course is concerned with the more complex problems of the preparation of theatre production. A greater focus will be given to applying learned knowledge in a practical setting, with mandatory crew requirements in at least four Fountain School Stage productions. These productions will require work outside of class time on evenings and weekends. This course is the practical application of THEA 2060X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 6

COREQUISITE: THEA 2060X/Y.06

PREREQUISITE: THEA 1050X/Y.06

THEA 2214X/Y Shakespeare

CREDIT HOURS: 6

An introduction to Shakespeare's career as a playwright, through discussion and interpretation of a dozen or more of his plays.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000X/Y.06; or any two of ENGL 1010.03, ENGL 1020.03 or ENGL 1040.03; or THEA 1000X/Y.06; or the King's Foundation Year Program

CROSS-LISTING: ENGL 2214.06

THEA 2229 Tragedy

CREDIT HOURS: 3

This course studies a representative selection of texts from various historical periods in order to arrive at an understanding of the meaning of tragedy. Various definitions of tragedy will be examined along with such possible questions as: how has tragedy changed over time, and what is tragicomedy.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000X/Y.06; or any two of ENGL 1010.03, ENGL 1020.03, or ENGL 1040.03; or THEA 1000X/Y.06; or the King's Foundation Year Program

CROSS-LISTING: ENGL 2229.03

EXCLUSIONS: ENGL 2226.06

THEA 2301 Film History I

CREDIT HOURS: 3

This course surveys the history of film from its invention in the 1890s to the 1950s. Students will learn about the aesthetic, social and technological changes that affected the development of cinema. The course includes the study of silent film and the Classical Hollywood cinema, as well artistic movements such as Expressionism and Soviet Montage.

FORMAT: Lecture| Discussion

EXCLUSIONS: THEA 2300X/Y.06 and NSCAD AHIS 2800.03

THEA 2311 Film Analysis

CREDIT HOURS: 3

This course introduces students to the close textual analysis of narrative films. To this end, a few films will be studied in depth. Their formal properties, such as mise-en-scène, sound, cinematography, and editing, will be analyzed and situated in social and historical context. Through screenings, readings, lectures, discussions and exercises, students will develop their technical vocabulary and skills in film interpretation.

FORMAT: Lecture| Discussion

THEA 2314 Survey of Italian Cinema

CREDIT HOURS: 3

Course to be held in English; with part of the course work in Italian for Italian majors. Survey of the Italian Cinema from the origins onwards. Focus: the 'golden age' of Italian silent movies; visual culture under fascism; Italian neo-realism; the impact of television.

FORMAT: Lecture

CROSS-LISTING: ITAL 2600.03

THEA 2336 Russian Film I

CREDIT HOURS: 3

This course surveys Russian film from the Silent Era to "Thaw" (1900-1960s). Its goal is to develop students' knowledge of cinema in its historical and cultural context through critical watching, reading, thinking, and writing. The course will concentrate on the development of main genres and styles in Russian and official Soviet Cinema, major directors and styles. Full versions of films will be screened each Monday night. Later in the week they will be followed by a lecture, discussion, and viewing additional short clips.

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 2036

THEA 2337 Russian Film II

CREDIT HOURS: 3

This course will provide an overview of the most significant trends and periods in the development of Russian cinema since the 1960s until the latest blockbusters. The course will concentrate on the development of main genres and styles, major directors and productions, issues of race, gender, war and violence in Soviet, post-Soviet and new Russian cinema.

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 2037.03

THEA 2340 Monsters and Madness: 20th Century German Film

CREDIT HOURS: 3

This course provides an introduction to German film of the early 20th century. We will focus on one of the most influential period of cinema history, German Expressionism, and continue to early sound film, Nazi-Propaganda and Postwar film. No knowledge of the German language is necessary. All films are subtitled.

CROSS-LISTING: GERM 2040.03

THEA 2346 East European Cinema: War, Love, and Revolutions

CREDIT HOURS: 3

This course brings post-Berlin Wall European film into the fray of current debates on cultural identity, transnational cinema, and postcolonialism. Despite the state control, the filmmakers of communist Europe were often more bold, honest and provocative than their profit-driven Hollywood counterparts. By drawing on political, cultural, and philosophical discourses, the course will offer pointed analyses of most significant East European films that touch upon issues of ethnicity, gender, and overcoming censorship.

FORMAT: Lecture| Discussion

CROSS-LISTING: RUSN 2046.03

THEA 2347X/Y How iRead the Eye-Books: Film Adaptations of World Literature

CREDIT HOURS: 6

In this course we will be reading and watching the world adaptations of international literary classics and popular contemporary works. From analyzing the art of comic strips and Superman sagas to e-books designed for iPads and Android mobile devices, during the semester students will learn to appreciate both the text and its visual renderings using theoretical frameworks of adaptation and textual fidelity, as well as will have an opportunity to practice their skills in the art of film-making and constructing an iBook.

FORMAT: Lecture| Discussion

PREREQUISITE: None

CROSS-LISTING: ENGL 2045X/Y.06, RUSN 2045X/Y.06

THEA 2350 Studies in Film Directors

CREDIT HOURS: 3

This course offers students the opportunity to study in detail the work of an individual film director. Aesthetic, political, philosophical and/or ethical issues related to the director's work will be studied via close analysis of his/her most significant films. The identity of the director to be studied will be posted on the Academic timetable.

FORMAT: Lecture| Discussion

THEA 2360 Popular Cinema

CREDIT HOURS: 3

This course helps students develop their critical understanding of popular cinema. It introduces different approaches to the analysis of popular film, and considers principles of production, distribution, exhibition and reception in major industries such as Hollywood and popular Hindi and Hong Kong cinemas. Throughout, it addresses the implications of the concept of "popular cinema."

FORMAT: Lecture| Discussion

EXCLUSIONS: THEA 2320.06

THEA 2370 Animated Film

CREDIT HOURS: 3

This course is an overview of different forms of animated film and key topics and debates in the field of animation studies. Emphasis is on Canadian, US American and Japanese animation, but examples will be drawn from a variety of regions, and will range from old to new and popular to experimental. The course will focus on cultural approaches, theoretical questions posed by specific types of animation, and historical developments.

FORMAT: Lecture| Discussion

THEA 2400X/Y Cave to Café: Costume and Identity from Antiquity to 1700

CREDIT HOURS: 6

An introduction to the study of human social behaviour and its relationship to the development of body coverings, this survey course begins with the earliest Mediterranean cultures, Ancient Egypt, Greece and Rome, and continues through to the end of the seventeenth century. This course may be taken by general BA students, and is also part of the Costume Studies Program.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Discussion

PREREQUISITE: General BA students must have completed the writing requirement. For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06. For Diploma in Costume Studies: See Costume Studies course combinations.

THEA 2406X/Y The Aesthetics of Contemporary Dress

CREDIT HOURS: 6

By examining the aesthetics of contemporary dress, this course will enable the student to understand established systems used to create clothing, utilizing body image as principle means. Through the study and application of systematic principles, the student will gain a better understanding of people's need to define body image in terms of ornamental self-expression and social identification. This course is part of the Costume Studies Program.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 2411 and THEA 2451

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06. For Diploma in Costume Studies: See Costume Studies course combinations <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

RESTRICTIONS: Costume Studies degree or diploma students only

THEA 2411 Designers' Language

CREDIT HOURS: 3

This course explores components of costume design, offering a discourse on design language, color theory, structure, and decoration as they relate to costumes for the theatre. Through lecture and practical application, the student will learn how to design costumes, choose fabrics, interpret scripts and develop characters, leading to a better understanding of theatrical characterization. This course may be taken by general BA students, and is also a part of the Costume Studies Program.

FORMAT: Lecture

COREQUISITE: THEA 2406 and THEA 2451

PREREQUISITE: General BA students must have completed the writing requirement. For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06. For Diploma in Costume Studies: See Costume Studies course combinations <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

THEA 2451X/Y Costume in Performance I

CREDIT HOURS: 3

In this year the student will apply the knowledge from THEA 1450X/Y to research, illustrate and create modern and historical costume designs for the stage. In addition, students work on productions in order to understand the integral role played by costume in staging a play, in an actor's character development, and in body image and representation. This course is part of the Costume Studies Program.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: THEA 2411 and 2406; For Diploma in Costume Studies Students: THEA 1450.06, THEA 2400.06, THEA 2406.06, THEA2411.03, TEXTL 2000 (NSCAD), TEXTL 2100 (NSCAD)

PREREQUISITE: For BA in THEA (Costume Studies) Students: THEA 1000.06, THEA 1450.06

RESTRICTIONS: Limited to BA in Theatre (Costume Studies) and Diploma in Costume Studies students

THEA 2700X/Y Stage Design I

CREDIT HOURS: 6

This course is designed to acquaint the student with the language, techniques and conventions involved in the field of stage design. In the first semester, students will develop basic abilities in visual composition, watermedia and drafting. In the second half, model building, text analysis, research and three-dimensional space development will be taught. Assignments will emphasize practical skills and will culminate in a full design process.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: THEA 1050X/Y.06 or permission of the instructor

THEA 2800X/Y Acting II

CREDIT HOURS: 6

The second year of the Acting Program introduces students to classical theatre performance approaches through the exploration of the texts of William Shakespeare. Using his sonnets, soliloquies and scenes, students will discover performance clues within the author's text and explore characterization, dramatic situations and action, and the interpretation of dramatic text. Emphasis is placed on the need for clarity in expressing and communicating these works and on the dedication to craft and discipline necessary to do so.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 2820X/Y.06, THEA 2810X/Y.06

PREREQUISITE: THEA 1800X/Y.06 and audition

THEA 2810X/Y Voice and Speech II

CREDIT HOURS: 6

This course focuses on developing the speaking voice. It is an introduction to mind/body/voice awareness, the anatomical and physiological aspects of phonation, and the care of the voice. This introduction includes exploration and drilling of the primary breathing and phonating muscles with the object of releasing the voice and developing an open, flexible sound. Focusing of the mind, alignment of the spine, releasing of unnecessary and habitual tensions, exploration of resonating cavities, pitch, volume/power, and articulation, as well as exploration of a variety of text will all be investigated.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 2800X/Y.06, THEA 2820X/Y.06

PREREQUISITE: THEA 1800X/Y.06 and audition

THEA 2820X/Y Dance and Movement II

CREDIT HOURS: 6

The course is designed to develop and enhance the acting student's practical knowledge of movement through the discipline of jazz dance. This is manifest through a practical exploration of the Luigi jazz dance technique, incorporating the use of space, rhythm, and correct body alignment. Students are expected to develop a working vocabulary of dance terminology.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 2800X/Y.06, THEA 2810X/Y.06

PREREQUISITE: THEA 1800X/Y.06 and audition

THEA 2841 Speak With Confidence: Voice for Non-Majors

CREDIT HOURS: 3

This course is designed to enable the student to use the speaking voice effectively, to communicate freely and easily, with clarity and conviction, thereby strengthening his or her presentation skills. This course will be practical in nature. Exercises and explorations will initially be centred on group dynamics and will require commitment, concentration and full-bodied participation. Many aspects of voice use will be covered, including release of the body, alignment of the spine, breathing, resonance, pitch, volume and power, articulation, working with an intention, and care of the voice. The focus of the course will be on self-discovery as well as awareness of others. Students will also have the opportunity to make individual presentations and receive feedback accordingly. Guest speakers/artists may be invited to visit the classroom.

FORMAT: Lecture| Lab

EXCLUSIONS: All advanced Acting courses

THEA 2901 Production Dramaturgy

CREDIT HOURS: 3

This course introduces students to the dramaturgical work of dramaturges and directors in the theatre. Students will learn skills including the presenting of research, the preparation of playtexts, the adapting of playtexts for new theatrical contexts, and the creation of theatrical seasons and programs.

FORMAT: Lecture| Discussion

PREREQUISITE: THEA 1000.06 or permission of the instructor

EXCLUSIONS: THEA 2900.06

THEA 2902 Play Analysis for Directing

CREDIT HOURS: 3

This course introduces students to the director's process in analyzing a dramatic script for performance. Working with plays from a range of periods and genres, students will explore key theoretical approaches to directorial analysis, will learn the director's core vocabulary, and will apply these discoveries to practical scene work.

FORMAT: Lecture| Seminar

PREREQUISITE: THEA 1000.06 or permission of the instructor

EXCLUSIONS: THEA 2900.06

THEA 2911 Stars and Stardom on Stage and Screen

CREDIT HOURS: 3

What makes a 'star' actor? How do stars' gifts and idiosyncrasies interact with the possibilities of their media and with market forces to create celebrity? This course explores stage and screen stardom as historical, aesthetic, and economic phenomena that illuminate shifting constructions of beauty, class, gender, sexuality, race, and ethnicity.

FORMAT: Lecture| Discussion

THEA 3015 Renaissance Drama

CREDIT HOURS: 3

This course will explore the richness and strangeness of some of the playwrights too often obscured by Shakespeare's shadow. Between the opening of the first professional playhouse in London (1576) and the closing of the theatres by Parliament (1641), the Globe was only one of many venues catering to an avid theatre-going public, and the first English play by a woman was circulated in manuscript. Playwrights to be studied include Christopher Marlowe, Ben Jonson, Thomas Middleton, John Webster, Elizabeth Cary and John Ford.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000X/Y.06; or any two of ENGL 1010.03, ENGL 1020.03, or ENGL 1040.03; or THEA 1000X/Y.06; or the King's Foundation Year Program

CROSS-LISTING: ENGL 3015.03

THEA 3020X/Y Jazz Dance II. (Spring Session only)

CREDIT HOURS: 6

The course is the continued practical exploration into the Luigi Jazz Dance Technique at the intermediate level. Emphasis is on the development of personal expression through the medium of dance. Students must have a basic foundation in dance technique.

FORMAT: Lecture| Lab

PREREQUISITE: THEA 2020 or approval of instructor (interview)

CROSS-LISTING: MUSC 3130.06 (spring session only)

THEA 3060X/Y Technical Scenography II

CREDIT HOURS: 6

This course is designed to supplement Performance Technology II and is a continuation of THEA 2060X/Y.06 covering the topics in greater detail.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3070X/Y.06

PREREQUISITE: THEA 2060X/Y.06, THEA 2070X/Y.06

THEA 3070X/Y Performance Technology II

CREDIT HOURS: 6

This is an advanced course in production technology. Students work intensively in the areas of: scenic carpentry, scenic painting, props, lighting and sound, and stage management. Students are required to work on four (4) Fountain School stage productions. These productions will require work outside of class time, on evenings and weekends.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 6

COREQUISITE: THEA 3060X/Y.06

PREREQUISITE: THEA 2060X/Y.06, THEA 2070X/Y.06

THEA 3200X/Y The Director in the Theatre

CREDIT HOURS: 6

This course explores in theoretical and practical terms the various functions of the director in creating a theatrical event. Topics include the historical role of the director, conceptualizing scripts, working with a dramaturge, relationships with actors, and the script development process. Laboratory exploration of practical problems related to the above topics will form an integral part of the course.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: THEA 2901.03, THEA 2902.03, and permission of instructor

THEA 3301 Film History II

CREDIT HOURS: 3

This course surveys the history of film from the 1950s until the present day. Students will learn about the aesthetic, social and technological changes that affected the development of cinema. The course includes the study of radical 1960s movements such as the French New Wave, and the birth of auteurist cinema in the European and Hollywood film industries. It also introduces students to the concept of national cinema with a study of global film industries, and concludes with a study of the digital revolution in contemporary cinema.

FORMAT: Lecture| Discussion

PREREQUISITE: Recommended THEA 2301.03

EXCLUSIONS: THEA 2300X/Y.06 and NSCAD AHIS 2810.03

THEA 3313 Documentary, Experimental and Animated Film

CREDIT HOURS: 3

This course introduces students to the historical, social, ethical and aesthetic dimensions of documentary, experimental and animated cinema. The course is taught through lectures, discussions, film screenings and readings.

FORMAT: Lecture| Discussion

PREREQUISITE: THEA 2311.03 or permission of the instructor

EXCLUSIONS: THEA 2312.03 and NSCAD AHIS 3850.03

THEA 3314 Shakespeare and his Contemporaries on Film

CREDIT HOURS: 3

This course will study the adaptation of Shakespeare and his contemporaries to the medium of cinema, focusing on the differences between theatre and cinema, the process of textual adaptation, the updating of classic stories to modern settings, and the close analysis of the performer's choices.

FORMAT: Lecture| Seminar

PREREQUISITE: Experience in Shakespeare at any level OR experience in Film Studies at any level.

CROSS-LISTING: ENGL 3314.03

EXCLUSIONS: THEA 2313.03, ENGL 2313.03

THEA 3320 Italian National Cinema

CREDIT HOURS: 3

The focus of the course: the New Wave of Italian cinemas, which has received international recognition since the 1960s. Its aim: to investigate Italian film production within the social and cultural climate of contemporary Italy.

FORMAT: Lecture| Seminar

PREREQUISITE: ITAL 2010.03

CROSS-LISTING: ITAL 3600.03

THEA 3330 Film Theory I

CREDIT HOURS: 3

This course will survey and discuss the major cinematic theories of the twentieth century: from formalism and realism to Lacanian psychoanalysis and post-structuralism, from film semiotics and feminist theory to postmodern debates and approaches which sought to define new terminology and new methodologies for the study of the moving images.

FORMAT: Lecture| Discussion

PREREQUISITE: Previous Film Studies course or permission of the instructor

EXCLUSIONS: CTMP 3302.03

THEA 3331 Film Theory II: Desire in Cinema

CREDIT HOURS: 3

This course focuses on theories of gender, sexuality and desire in the cinema. It addresses debates around the representation of gender, sexuality and desire on screen, as well as theories of spectatorial desire.

FORMAT: Lecture| Discussion

PREREQUISITE: Previous Film Studies course or permission of the instructor

CROSS-LISTING: GWST 3331.03

THEA 3350 Topics in Asian Cinema

CREDIT HOURS: 3

Each year will focus on specific topics as explored in the cinema of various Asian countries. Particular attention will be paid to how Asian filmmakers employ different cinematic genres in their treatments of diverse aspects of Asian societies and cultures.

FORMAT: Lecture| Discussion

CROSS-LISTING: CHIN 3050.03

THEA 3351 The Cinema of David Lynch

CREDIT HOURS: 3

David Lynch is one of the most fascinating filmmakers alive today. His work includes relatively mainstream and popular successes, such as *The Elephant Man* and the TV series *Twin Peaks*, along with more difficult cult films such as *Eraserhead*, *Lost Highway* and *Mulholland Drive*. In this course, students will engage in close analysis of Lynch's works, his source material, and his inspirations.

FORMAT: Lecture| Discussion

PREREQUISITE: Any of the core courses in the Film Studies Minor (THEA 2301.03, THEA 2311.03, THEA 3301.03, THEA 3313.03) or permission of the instructor.

EXCLUSIONS: THEA 3311 X/Y.06

THEA 3371 Experimental Film

CREDIT HOURS: 3

This is a survey of experimental cinema. The films studied attempt to revise the basic grammar of film; they do not assume that film is about narrative or even representation, but that it is a fundamentally visual art, often closer to painting or printmaking than to the novel or the theatre. The course will cover films from a range of time periods and regions, and examine a variety of experimental movements.

FORMAT: Lecture| Discussion

PREREQUISITE: THEA 2311.03

THEA 3401X/Y Dress and Identity: King's Court to Mass Culture, 1700-Present

CREDIT HOURS: 6

This is a survey course which will trace the development of dress through the eighteenth, nineteenth, and twentieth centuries, showing its evolution from the period when the fashion aesthetic was determined by the Courts, to the time of the rise of the common man as the arbiter of taste. Concentration in this course will be placed on dress worn in England and France, but students may explore costume from other countries as individual topics of research. Emphasis will be placed on the social and cultural aspects of dress history, using slides of representative works of art, films, and artifacts as visual documentation for each period. NOTE: Students registering in this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: THEA 3451, THEA 3454, THEA 3455

PREREQUISITE: General BA students must have completed the writing requirement. For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03.

For Diploma in Costume Studies, see Costume Studies course combinations in calendar.

EXCLUSIONS: THEA 4400X/Y.06

THEA 3451X/Y Costume in Performance II

CREDIT HOURS: 6

In this course students will demonstrate their fluency in costume creation with design interpretations for theatrical production. Students will examine problems related to costume as an expression and extension of theatrical character development. Fountain School productions provide a venue for students to develop interpersonal and technical skills. Students work as an integral part of a team. This course is part of the Costume Studies Program.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3401, THEA 3454, THEA 3455

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03. For Diploma in Costume Studies: See Costume Studies course combinations

<http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

RESTRICTIONS: Costume Studies degree or diploma students only.

EXCLUSIONS: THEA 3450 X/Y.03

THEA 3454 Body-Shaping Through Historical Tailoring II

CREDIT HOURS: 3

This course introduces the student to the process of tailoring as it originated in the Renaissance, and its development down to the twentieth century. Emphasis is placed on the purpose of underpaddings, understructures and the techniques of fixing them in place. This course is part of the Costume Studies Program.

COREQUISITE: THEA 3401, THEA 3451, THEA 3455

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, 2451X/Y.03. For Diploma in Costume Studies: See Costume Studies class combinations.

RESTRICTIONS: Costume Studies degree or diploma students only.

THEA 3455 Body-Shaping Through Historical Tailoring I

CREDIT HOURS: 3

The “Systems” of Pattern Drafting from the early nineteenth century to the twentieth century. Utilizing traditional tailoring techniques, the process of creating professional tailored garments is studied in detail. This course is part of the Costume Studies Program.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3401, THEA 3451, THEA 3454

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03. For Diploma in Costume Studies: See Costume Studies course combinations.

RESTRICTIONS: Costume Studies degree or diploma students only.

THEA 3501 The Modern Theatre 1: Realism and Responses

CREDIT HOURS: 3

From the 1870s until the coming of the First World War, the theatre underwent a series of radical transformations. This course explores the key theatrical movements of this period, including realism, naturalism, symbolism, and expressionism, and compares the theories behind them to the plays, stagecraft, and performance techniques they produced.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: THEA 2011.03 and THEA 2012.03 or permission of the instructor

CROSS-LISTING: ENGL 3501.03

EXCLUSIONS: THEA 3500 X/Y.06

THEA 3502 The Modern Theatre 2: High Modernism

CREDIT HOURS: 3

From the close of WW1 to the 1960s, theatrical modernists sought new artistic forms for a rapidly changing world. This course introduces students to major forms of theatrical modernism from Dada and Theatre of Cruelty through Epic Theatre and Biomechanics to Absurdism, and considers their legacy for the contemporary stage.

FORMAT: Lecture| Seminar

PREREQUISITE: THEA 3501.03 or Permission of the Instructor

CROSS-LISTING: ENGL 3502.03

EXCLUSIONS: THEA 3500 X/Y.06

THEA 3600X/Y The Playwright in the Theatre

CREDIT HOURS: 6

This course studies the play as a vehicle for performance rather than as a literary work. Through weekly writing exercises dealing with specific dramaturgical problems, the craft of play-writing is explored. With this background, the class then writes plays which are revised, critiqued, and given a public presentation.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: THEA 2901.03 and THEA 2902.03, or permission of the instructor

THEA 3710X/Y Stage Design II

CREDIT HOURS: 6

This course builds on the knowledge gained in the previous course in the field, THEA 2700X/Y.06, as far as visual knowledge is concerned, and from technical knowledge acquired in THEA 2060X/Y.06 and THEA 2070X/Y.06. The goal of this course is to expose, explore and develop methods of visual communication within the process of stage design. Students are given a schedule that will foster quick solutions, creating an environment conducive to the project or play assigned. Students will then begin to learn how to find and apply research as it relates to a design. The second portion of the course will provide students with experience in drafting and model building that will culminate in several portfolio-quality design projects.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

PREREQUISITE: THEA 2060X/Y.06, THEA 2070X/Y.06, THEA 2011.03, 2012.03, THEA 2700X/Y.06

THEA 3731 Greek Drama: Tragedy I

CREDIT HOURS: 3

A study of the Greek tragedians Aeschylus, Sophocles, and Euripides, in English translation.
CROSS-LISTING: CLAS 3731
EXCLUSIONS: CLAS 3730, CLAS 3515

THEA 3751X/Y Modern German Drama

CREDIT HOURS: 6

An historical study of modern German Drama from the 1770s to the twentieth century. Works by J.M.R. Lenz, J.W.V. Goethe, H.V. Kleist, G. Büchner, G. Hauptmann, E. Toller, B. Brecht and B. Strauß will be discussed. The notion of Freedom (Freiheit) and its apparent impossibility in the nineteenth and twentieth century is central. The texts are read in English translation with the German originals as backup.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Seminar

CROSS-LISTING: GERM 3050X/Y.06

THEA 3800X/Y Acting III

CREDIT HOURS: 6

This course aims to strengthen the actor's instrument and creative response, while further developing acting technique through practical experience in Mask, Mime and Period Study. "Actioning" is expanded upon to include Script Analysis, with materials being drawn from classical and contemporary texts, ensuring that the 'inner' work of characterization feeds the 'outer' work, and vice versa.

NOTES: Students taking these courses must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3810X/Y.06, THEA 3820X/Y.06, MUSC 1081.03

PREREQUISITE: THEA 2800X/Y.06, THEA 2820.X/Y.06, THEA 2810X/Y.06 and permission of the Acting Faculty.

THEA 3810X/Y Voice and Speech III

CREDIT HOURS: 6

This course is a continuation of 2810X/Y.06. Emphasis is on freeing the voice by combining newly developed skills that constitute "good use": releasing the mind and body; aligning the spine, and accessing primary breathing muscles. Attention is paid to vocal support, clarity of the sound, flexibility and range, and the power behind the sound. A voice warm up is designed and instructed by each student. Ways of accessing oral, nasal and pharyngeal cavities are explored. Phonetics, speech and accents/dialects are introduced. Much of the work involves application to a variety of texts.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3800X/Y.06, THEA 3820X/Y.06, MUSC 1081.03

PREREQUISITE: THEA 2800X/Y.06, THEA 2810X/Y.06, THEA 2820X/Y.06, and permission of the Acting Faculty

THEA 3820X/Y Dance and Movement III

CREDIT HOURS: 6

The course is designed to develop and enhance the acting student's practical knowledge of movement through the discipline of Jazz Dance. This is manifest through the continued practical exploration of the Luigi Jazz Dance Technique. Emphasized are the performer's building blocks: a strong body alignment, a healthy stretching regimen, and an expanding skill repertoire. Explorations commence into dance choreography and performance.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 3800X/Y.06, THEA 3810X/Y.06, MUSC 1081.03

PREREQUISITE: THEA 2800X/Y.06, THEA 2810X/Y.06, and THEA 2820X/Y.06, and permission of the Acting Faculty

THEA 3911 Gender in Theatre: A Cross-Cultural Survey

CREDIT HOURS: 3

This course examines the roles gender has played in the shaping of world theatre alongside the roles the theatre has played in the shaping of various cultural conceptions of gender. By exploring plays and performances from Europe, North America, China, Japan, India, Iran and/or other traditions, we will strive to understand the ways in which various forms of representation reflect their cultures' governing images of masculinity and femininity. In the process, we will interrogate the historical and cultural variability of the notion of "gender" itself. The main objective of the course will be to ask how gender determines performers' choices in various cultures, and to see how gender itself can actually be shaped by performance.

FORMAT: Lecture| Discussion

CROSS-LISTING: GWST 3911.03

THEA 3912 Gender Theory and Contemporary Performance

CREDIT HOURS: 3

This course offers students an opportunity to encounter some of the most provocative and challenging gender theory of recent years in relation to contemporary theatre, film and performance art. Students will read considerations of the relationship between gender, performance and identity by such authors as Hélène Cixous, Luce Irigaray, Julia Kristeva, Judith Butler, Judith Halberstam, Peggy Phelan and Camille Paglia, among others. Alongside these works, we will examine contemporary performances from the popular to the oppositional. Through this intertextual exploration of theory and performance, we will aim to expand our understanding of the ways in which gender roles are created, maintained, questioned and changed in contemporary culture(s).

FORMAT: Lecture| Discussion

CROSS-LISTING: GWST 3912.03

THEA 3913 English Drama 1660-1800

CREDIT HOURS: 3

A survey of plays produced during the Restoration and eighteenth century. Concentrating on the London scene from the first appearance of actresses on the stage to the burning of the Haymarket theatre in 1789, this course introduces students to the period's various dramatic forms, the literary influences and controversies, and the many women and men who penned for the stage.

FORMAT: Lecture| Discussion

PREREQUISITE: ENGL 1000X/Y.06; or any two of ENGL 1010.03, ENGL 1020.03, ENGL 1040.03, or THEA 1000X/Y.06; or the King's Foundation Year Program

CROSS-LISTING: ENGL 3020.03

EXCLUSIONS: ENGL 3225.06

THEA 3914 Topics in Italian Drama and Spectacle

CREDIT HOURS: 3

This course focuses on Italian drama and performance. The topic will vary from year to year and may include topics such as Italian Renaissance theatre, the Commedia dell'arte, Pirandello's productions and contemporary Italian spectacle. The course will examine the selected topic while placing Italian theatre into a broader European context; students will acquire reading strategies for drama and spectacle and learn to consider the works from a theoretical perspective. The course is held in English but Italian majors will be required to read the texts in the original.

FORMAT: Lecture

CROSS-LISTING: ITAL 3700.03

THEA 4101 Short Apprenticeship

CREDIT HOURS: 3

Students gain practical, workplace experience with an organization appropriate to their course of study. The Short Apprenticeship will represent approximately 50 – 60 hours of work on an approved project with a sponsoring organization. Positions will in general be paid, but this is not guaranteed.

PREREQUISITE: Permission of the Fountain School

RESTRICTIONS: Students must have completed two years of study in a Minor/Major/Double Major/Honours/Combined Honours Bachelor of Arts program in Theatre or the Minor in Film Studies. Applications for apprenticeships will be evaluated by a FSPA committee, which will have final decision about which apprenticeships can be sponsored by the School.

ASSESSMENT METHOD: 70% Grade assigned by instructor of record in consultation with workplace supervisor(s). 30% Reflection Paper on experience (graded by faculty member)

THEA 4390 Special Topics in Film Studies

CREDIT HOURS: 3

This is an advanced seminar in film studies which examines one topic in depth from formal, political, and historical perspectives. Topics may include but are not limited to: animated film; political cinema; montage; screen acting; film adaptation; the work of a particular director; or a film movement. The topic is assigned by the Fountain School at the end of the preceding academic year and is then posted at the Fountain School and in the University's timetable.

FORMAT: Seminar

PREREQUISITE: THEA 2311.03 and one other film course (3000-level or above recommended)

THEA 4391 Special Topics in Popular Cinema

CREDIT HOURS: 3

This advanced seminar addresses an issue in popular cinema. Topics may include but are not limited to: critical perspectives on a particular set of films; the relation between "independent" cinema and "mainstream" cinema; or the social and aesthetic impact of new technologies in popular cinema. The topic is assigned by the Fountain School at the end of the preceding academic year and is then posted at the Fountain School and in the University's timetable.

FORMAT: Seminar

PREREQUISITE: THEA 2311.03 (+ THEA 2360.03 or THEA 2320.06 are recommended)

THEA 4406X/Y The Aesthetics of Historical Dress

CREDIT HOURS: 6

This course examines the aesthetics of historical dress, tracing the evolution of changing silhouettes and historical pattern design throughout the eighteenth and/or nineteenth centuries. The student will learn to carry out material-culture and textual analyses as historical source material with a view to re-creating character and dress of the eighteenth and/or nineteenth centuries. This course stresses research and academic skills, along with applied skills. Primary research forms a significant component of this course. This course is part of the Costume Studies Program.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Lecture| Lab| Discussion

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03, THEA 3401X/Y.06, THEA 3451X/Y.06, THEA 3454.03, THEA 3455.03 For Diploma in Costume Studies, see Costume Studies course combinations in calendar <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

RESTRICTIONS: Costume Studies degree or diploma students only.

EXCLUSIONS: THEA 3405X/Y.06

THEA 4450 Costume Technology

CREDIT HOURS: 3

This course extends the expertise in costume creation developed in THEA 1450X/Y.06, THEA 2451.03 and THEA 3451.06 to examine techniques of fine finish as students prepare their costume 'masterpiece.' This course is part of the Costume Studies Program.

FORMAT: Lecture| Lab

COREQUISITE: THEA 4452

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03, THEA 3401X/Y.06, THEA 3451X/Y.06, THEA 3454.03, THEA 3455.03

For Diploma in Costume Studies, see Costume Studies course combinations in calendar <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

RESTRICTIONS: Costume Studies degree or diploma students only.

THEA 4452 The Sculpture of Dress

CREDIT HOURS: 3

Based less in abstract principles and more in creativity, this course examines sculptural forms in a human context to facilitate modern and historical costume design. The student works directly on the human body or mannequin to gain proficiency in modelling textiles to shape costume. This course is part of the Costume Studies Program.

FORMAT: Lecture| Lab

COREQUISITE: THEA 4450

PREREQUISITE: For BA in Theatre (Costume Studies) students: THEA 1000X/Y.06, THEA 1450X/Y.06, THEA 2011.03, THEA 2012.03, THEA 2400X/Y.06, THEA 2406X/Y.06, THEA 2411.03, THEA 2451X/Y.03, THEA 3401X/Y.06, THEA 3451X/Y.06, THEA 3454.03, THEA 3455.03

For Diploma in Costume Studies, see Costume Studies course combinations in calendar <http://www.dal.ca/faculty/arts/school-of-performing-arts/programs/theatre-programs/costume-studies.html>

RESTRICTIONS: Costume Studies degree or diploma students only.

THEA 4500 Canadian Theatre to 1968: Performing the Nation

CREDIT HOURS: 3

Early Canadian theatre offers a fascinating example of a colonial nation's struggle to find its own dramatic voice in the face of powerful outside influences. This seminar course will explore the development of theatre in Canada from its roots in First Nations ritual and performance, to its encounters with British and European models and its eventual search for an independent identity via the Little Theatre movement, the Workers' Theatre movement and the Dominion Drama Festival. The course will close with a consideration of the influential Massey Commission and the birth of the Stratford Festival, Canada's first 'world class' theatre. Over the course of the term, special attention will be paid to the development of diverse dramatic traditions in French and English Canada. Drama by representative playwrights will be studied alongside primary sources in Canadian theatre history to give students an integrated perspective on the complex artistic and political debates that helped to determine the character of performance in Canada.

FORMAT: Seminar| Discussion

PREREQUISITE: Permission of the instructor

CROSS-LISTING: ENGL 4500.03, CANA 4500.03

THEA 4501 Canadian Theatre Since 1968: Interrogating Identities

CREDIT HOURS: 3

This seminar course will examine the ongoing emergence of uniquely Canadian forms of theatre in the years since the Massey Commission asserted the need to foster Canada's native talent. Topics to be considered will include: the controversial role of government subsidy and policy-making in Canadian culture; the differing models offered by the Stratford and Shaw Festivals, by the major regional theatres, and by 'alternate' and independent companies; the contrast between First Nations, English- and French-Canadian traditions; and the rise of the current 'Fringe' phenomenon. Drama by representative playwrights will be considered alongside post-colonial theory and primary sources in Canadian theatre history to help students consider what a genuinely 'Canadian' theatre might look like. Above all, the course offers an opportunity to consider the complex relationship between theatre and national identity: who are 'we,' and how might our theatre express or even shape 'us'?

FORMAT: Seminar| Discussion

PREREQUISITE: Permission of the instructor

CROSS-LISTING: ENGL 4501.03, CANA 4501.03

THEA 4700X/Y Special Topics I

CREDIT HOURS: 6

In this full year seminar course, students focus on a particular topic in dramatic literature, film studies, theatre history, dramatic theory, or a related interdisciplinary subject in order to investigate it in great detail. The topic is assigned by the Fountain School at the end of the preceding year and is then posted by the Department and in the University's timetable.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. Partial credit cannot be given for a single term.

FORMAT: Seminar

THEA 4735X/Y Advanced Seminar in Baroque Culture

CREDIT HOURS: 6

This course offers its students a survey of key aspects of seventeenth and eighteenth-century European history and society along with a first-hand view of some of the most important aspects of baroque style and material culture. It takes place in the town of Cesky Krumlov in the Czech Republic. The course introduces students to the socio-political conditions that led to the birth of Baroque civilization before entering into an exploration of the court life of seventeenth and eighteenth-century Europe. It then examines the cultural and artistic forms most characteristic of this period, with particular emphasis on theatre history and on the role of the 'theatrical' in the Baroque arts. As the course proceeds, students will have an opportunity to consider the connections between course material and the evidence of Baroque culture to be found in the Castle Theatre's scenographic machinery, its stock of original scenery and props, and its collection of historical costumes, as well as to witness an experimental Baroque opera performance. Finally, the course will include visits to Prague and other sites of interest to add to students' understanding of the Baroque and its legacy to subsequent periods.

FORMAT: Lecture| Lab

PREREQUISITE: Permission of the Fountain School of Performing Arts and/or History Department.

CROSS-LISTING: HIST 4162.06, MUSC 4360.06

RESTRICTIONS: 3rd and 4th year students only.

THEA 4800X/Y Acting IV

CREDIT HOURS: 6

The culminating course of the Acting Program focuses on the rehearsal and performance of three Fountain School theatre productions and a Class Project. This course provides students with the opportunity to earn their Honours credit by preparing professional portfolios and audition pieces under the tutelage of the Acting Program faculty. The class project is directed by an Acting Program faculty member and all written requirements for both the Fountain School theatre season and the class project assessed by the Acting Program faculty. In its twofold function, this course is a bridge to the Acting profession.

NOTES: Students taking 4800X/Y.06 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Lecture| Lab

COREQUISITE: THEA 4840X/Y.06

PREREQUISITE: THEA 3800X/Y.06, 3810X/Y.06, THEA 3820X/Y.06, MUSC 1081.03 and permission of the Acting Faculty

THEA 4840X/Y Advanced Performance Techniques

CREDIT HOURS: 6

This fourth-year Acting course is intended to provide production-related and movement instruction that will assist students with developing skills and techniques which can be applied in the Fountain School theatre season as well as in the professional theatre world. Production related instruction may vary from year to year, depending on the specific needs of each Fountain School theatre season.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

COREQUISITE: THEA 4800X/Y.06

PREREQUISITE: THEA 3800X/Y.06, THEA 3810X/Y.06, THEA 3820X/Y.06, MUSC 1081.03 and permission of the Acting Faculty

THEA 4900X/Y Theory and Criticism of Drama and Theatre

CREDIT HOURS: 6

This is a writing intensive course that tackles the problems of evaluating theatre. It investigates critical strategies of the past and judges today's theatre criticism. Students will practice the craft of criticism and debate the role of theatre theory for contemporary audiences.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Seminar

THEA 4921 Special Topics II

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in dramatic literature, film studies, theatre history, dramatic theory, or a related interdisciplinary subject, and investigate it in great detail. The topic is assigned by the Fountain School of Performing Arts at the end of the preceding academic year and is then posted at the School and in the Faculty's timetable.

FORMAT: Seminar

THEA 4922 Topics in Theatre History

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in the field of theatre history and investigate it in great detail. The topic is assigned by the Fountain School of Performing Arts at the end of the preceding academic year and it is then posted at the School and in the Faculty's timetable.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: Permission of the instructor

THEA 4923 Topics in Dramatic Literature

CREDIT HOURS: 3

In this seminar course, students focus on a particular topic in the field of dramatic literature and investigate it in a great detail. The topic is assigned by the Fountain School at the end of the preceding academic year and it is then posted at the School and in the Faculty's timetable.

FORMAT: Lecture| Seminar| Discussion

PREREQUISITE: Permission of the instructor

THEA 4931X/Y Contemporary Theatre

CREDIT HOURS: 3

This course will deal with the most recent developments in theatre, especially with those post-1970's trends that exercise a broad international influence. Each year, our investigation will begin with a brief look at postmodern theatre and cover topics such as performance art, physical theatre, and postdramatic theatre. The main focus of the course, however, will be dictated by what is currently happening on major stages across the world and may significantly change from one year to another. In the interest of a comprehensive and inclusive approach to the subject, both commercial and experimental theatres will be studied, and we will also examine some relevant works of criticism and theory. Since much of the material required for this course is not yet removed enough from our time to be accessible in scholarly literature, students should be prepared for alternative methods of research.

FORMAT: Lecture| Seminar

Faculty of Computer Science

Location:

Building/Room: Goldberg Computer Science Building

Street Address 1: 6050 University Avenue

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2093

Fax: (902) 492-1517

Website: www.cs.dal.ca

Email Address: undergrad@cs.dal.ca

Introduction

Computer Science is a fundamental multi-disciplinary, high-technology discipline. Computer Science forms an integral and indispensable part of higher education. The Faculty of Computer Science provides high-quality education to our students in all areas of Computer Science and Informatics and conducts excellent research in specific areas of Computer Science, emphasizing major research programs with the support and participation of Industry and Government. Our modern award-winning Computer Science building and state-of-the-art equipment permit Computer Science to conduct primary research in Algorithms, Bioinformatics, Data Mining, Health Informatics, Human Computer Interaction, Information Retrieval, Network Centered Computing, Privacy and Security and Visualization.

The Faculty of Computer Science was formed on April 1, 1997, following the amalgamation of the Technical University of Nova Scotia (TUNS) and Dalhousie University. Its members came from the School of Computer Science at TUNS and the Computing Science Division of the Department of Mathematics, Statistics, and Computing Science at Dalhousie.

Significant growth has occurred in our formative early years. Our graduate and undergraduate programs include imaginative multi-disciplinary programs such as Electronic Commerce, Health Informatics, and Bioinformatics. The most up-to-date information on ongoing programs, ongoing curriculum revision, and general information about the Faculty can be found on our website: <http://www.cs.dal.ca>.

Academic Regulations

In addition to the regulations below, please see the Academic Regulations section.

Workload

A normal course load is five courses during each study term.

Course Selection

The content of every course that students take to meet degree requirements must represent new material: students may not take courses whose content is largely repetitive of, or more elementary than, a course taken earlier on the same topic, without permission of the Faculty.

Of the 120 credit hours required to complete any CS undergraduate degree, at least 60 must be taken from Dalhousie University.

Computer courses in other departments

Computer courses offered by other departments (e.g., COMM 1502.03, MGMT 1601.03) cannot be taken for credit in the Faculty's degree programs without explicit permission of the Faculty of Computer Science.

Grades

1. Course instructors will describe methods of student evaluation during the first week of each course.
2. Supplementary examinations are not given in Computer Science courses.
3. A grade of at least C is required for a course to satisfy a prerequisite condition for a CSCI/INFX course.
4. A grade of at least C is required in all Computer Science CSCI/INFX core courses to graduate with any Computer Science degree.

Dismissal

A student who meets the conditions for dismissal as outlined in Section 20, Academic Dismissal, of the Academic Regulations will be dismissed from the program. A student who fails more than one co-op work term will be dismissed from the co-op program.

An application for readmission to the program may be considered two terms after dismissal. A student who has been dismissed and who has been required to withdraw from the university for one term or more may be readmitted to a program in the Faculty of Computer Science only once. A readmitted student is considered to be on probation.

Staff

Dean

Shepherd, M., MSc, PhD (Western)

Associate Deans

Milios, E. E., Dipl Eng (National Technical University), SM&EE, PhD (MIT)
Riordan, D., BSc, MSc (Port Elizabeth), PhD (Carleton)

Faculty Administrator

Publicover, A., BSc , BA (Dalhousie)
Telephone: (902) 494-1199

Administrative Assistant—Undergraduate

Bolivar, A.
Telephone: (902) 494-2740

Computer Science Degree Programs

Academic Regulations

For all variations of the Bachelor of Computer Science degree:

- of the 57 CSCI credit hours required at all levels, at least 30 must be chosen from Dalhousie CSCI course offerings, and
- of the 33 CSCI credit hours required at the 3000 and 4000 level, at least 18 must be chosen from Dalhousie CSCI course offerings.

Staff

Professor Emeritus

Slonim, J., BSc, MSc (Western), PhD (Kansas)

Professors

Abidi, S., BEng (N.E.D. Univ of Eng & Technology), MS (Miami), PhD (Surrey)
Arnold, D., Diplom Computer Science (Dortmund), MSc (SFU), Dr. rer. nat. (Dortmund)
Bodorik, P., BSc (Calgary), MEng, PhD (Carleton)
Cox, P. T., BSc, MSc (Auckland), PhD (Waterloo)
Farrag, A., PhD (Alberta)
Gao, Q., MAsC, PhD (Waterloo)
Heywood, M., PhD (Essex)
Janssen, J., MSc (Eindhoven), PhD (Lehigh), cross appointment with Department of Mathematics and Statistics
Keselj, V., BSc (Belgrade), MMath, PhD (Waterloo)
Matwin, S., MSc, PhD (Warsaw), DSc (Pol. Acad of Sci)
Rau-Chaplin, A., BCompSc (York), MCompSc, PhD (Carleton)
Sampalli, S., BEng (Bangalore), PhD (Ind. Inst. of Sc.)
Selinger, P., PhD (Pennsylvania), cross appointment with Department of Mathematics and Statistics
Trappenberg, T., MSc, PhD (Aachen)
Wach, G., BA (Western Ontario), MSc (South Carolina), PhD (Oxford), cross appointment with Department of Earth Sciences
Watters, C. R., BSc, MSc, MLS (Western Ontario), PhD (TUNS)
Zeh, N., Diplom-Informatiker (Friedrich-Scholler, PhD (Carleton)
Zincir-Heywood, A. N., BSc, MSc, PhD (Ege University)

Associate Professors

Beiko, R., BSc (Dalhousie), PhD (Ottawa)
Blouin, C., BSc (Laval), PhD (Dalhousie)
Blustein, W. J., BSc, MSc, PhD (Western)
Brooks, S., BSc (Brock), MSc (UBC), PhD (Cambridge)
McAllister, M., BMath (Waterloo), MS, PhD (UBC)

Assistant Professor

Hawkey, K., BSc, PhD (Dalhousie)
He, M., BEng (Nanjing), MMath, PhD (Waterloo)
Reilly, D., BA (Waterloo), BA (McGill), BEd (Queen's), PhD (Dalhousie)

Adjunct Professors

Cercone, N., BSc (Steubenville), MSc (Ohio), PhD (Alberta)
Gentleman, M., BSc (McGill), MA, PhD (Princeton)
Jutla, D. N., BSc (U. W. Indies), MCSc, PhD (TUNS)
Rahman, M., BSc, MSc (Gauhati), PhD (Windsor)
Scrimger, J. N., BSc (UBC), MSc, PhD (Western Ontario)
Silver, D., BSc (Acadia), CIM (SMU), MSc, PhD (Western)

Adjunct Associate Professors

Wang, H., BSc (UNB), MSc, PhD (Toronto)

Adjunct Assistant Professors

Abidi, S., MBBS (Dow), MSc (Malaysia), PhD (Dalhousie)
Bardouille, T., BSc (Queen's), MSc (Dalhousie), PhD (Toronto)
Lucic, V., Dipl. EE (Nis), MAsc, PhD (Waterloo)
Marchand, Y., MCS (Paris, D.E.A. (Caen), PhD (Compeigne)
McIntyre, A., BSc (Mt. A), PhD (Dalhousie)
Song, X., BSc (Tianjin), MSc (Chinese Academy of Science), PhD (UNE), MSCS (Dalhousie)
Vaughn, P., HBA, MA (Guelph), MD (McMaster), MPH (Johns Hopkins)
Wilson, G., BA, MCS, PhD (Dalhousie)
Ye, Q., BEng, MEng (Harbin), PhD (Alberta)

Senior Instructor

Brodsky, A., BMath (Waterloo), MSc, PhD (UBC)
Kalyaniwalla, N., BSc (Bombay), M.S., PhD (Rensselaer)

Instructor

Fleming, J., BComm, BA (SMU), MA (Dalhousie)

Bachelor of Computer Science

The following regulations apply to students starting the program in September 2010 or after.

Faculty Requirements

1000 Level

- CSCI 1100.03: Computer Science I

CSCI 1101.03: Computer Science II

2000 Level

- CSCI 2100.03: Communication Skills: Oral and Written

CSCI 2110.03: Computer Science III

CSCI 2112.03: Discrete Structures I

CSCI 2121.03: Computer Organization with Assembly Language

CSCI 2132.03: Software Development

CSCI 2141.03: Introduction to Database Systems

3000 Level

- CSCI 3101.03: Social, Ethical and Professional Issues in Computer Science

CSCI 3110.03: Design and Analysis of Algorithms I

CSCI 3120.03: Operating Systems

CSCI 3130.03: Introduction to Software Engineering

CSCI 3136.03: Principles of Programming Languages

CSCI 3171.03: Network Computing

Other Required Courses:

- MATH 1000.03: Differential and Integral Calculus I

MATH 1010.03: Differential and Integral Calculus II or CSCI 2113.03 Discrete Structures II
MATH 2030.03: Matrix Theory and Linear Algebra I
STAT 2060.03: Introduction to Probability and Statistics I
six credit hours of a science course with a lab from a list provided by the Faculty of Computer Science
six credit hours to satisfy the writing requirement
three credit hours in humanities or social science at or above the 1000 level
six credit hours in business, science, or engineering at or above the 1000 level
three credit hours in business, science or engineering at or above the 2000 level
six credit hours of electives of computer science at or above the 3000 level
nine credit hours of electives of computer science at or above the 4000 level
six free credit hours of electives at or above the 1000 level
21 free credit hours of electives at or above the 2000 level

Bachelor of Computer Science Honours

The purpose of the Honours program is to provide a more challenging degree program that prepares students for graduate school.

To enter the Honours program a student must consult with the Honours Student Advisor and obtain the approval of the Faculty of Computer Science.

Each computer science course at or above the 3000 level must be passed with a grade of at least 2.0 (C). The cumulative GPA across all courses must be at least 3.0 (B).

The Honours program may be combined with co-op education.

Faculty Requirements

In addition to the normal requirements of the Bachelor of Computer Science degree, course selection must include six courses chosen as follows:

- 15 credit hours of computer science at or above the 4000 level chosen in consultation with the thesis supervisor to ensure that the student has the appropriate background
- CSCI 8873.03 (i.e., successfully complete and present an Honours Thesis)

Students who meet these requirements and who obtain a GPA of 3.7 (A-) or higher in all computer science courses will receive the degree Bachelor of Computer Science with First Class Honours.

Minors for the Bachelor of Computer Science

Students in the Bachelor of Computer Science program may add a Minor in many subjects from the Faculties of Arts and Social Sciences, Management, Science and the College of Sustainability. Available minors are listed in the College of Arts and Sciences section.

The minor requirements are in addition to the normal Bachelor of Computer Science requirements. Students wishing to pursue a minor should consult the relevant department and a Faculty of Computer Science academic advisor.

Co-operative Education Programs

All programs in Computer Science have a Co-operative Education option. This requires the completion of three Co-op work terms.

The Co-op office receives requests from employers for Co-op placements and advertises these to qualifying students. Students apply for these positions and are interviewed by the employer.

Students interested in the Co-op program should apply to register for CSCI 8890.00 in their second year.

Specializations

The following specializations have been approved for the following Bachelor of Computer Science programs: BCSC, BCSC Co-op, BCSC with Honours, BCSC Honours with Co-op, BCSC Honours Conversion, BCSC Honours Conversion with Co-op:

- Graphics, Gaming, and Media
- Artificial Intelligence and Intelligent Systems
- Communication Technologies and Cyber Security
- Data Science

The specializations have the following requirements:

Graphics, Gaming, and Media specialization requires a student to take three compulsory and two electives from a list of elective courses. Required courses are:

- CSCI 3161: Introduction to Computer Graphics with Animation
- CSCI 3162: Digital Media
- CSCI 4168: Game Design and Development

Elective courses are:

- CSCI 3154: AI and Games
- CSCI 4160: Computer Graphics
- CSCI 4166: Visualization
- CSCI 4167: Advanced Computer Animation

Artificial Intelligence and Intelligent Systems specialization requires a student to take two compulsory and two electives at the fourth year level from a list of elective courses. Required courses are:

- CSCI 3151: Web Intelligence
- CSCI 3154: AI with Gaming Applications

Elective courses are:

- CSCI 4141: Information Retrieval
- CSCI 4144: Data Mining and Data Warehousing
- CSCI 4152: Natural Language Processing
- CSCI 4155: Machine Learning with Robots

Communication Technologies and Cyber Security specialization requires a student to take two required courses and three electives from a set of elective courses. Required courses are:

- CSCI 3120: Operating Systems
- CSCI 3171: Network Computing

Elective courses are:

- CSCI 3172: Web-Centric Computing
- CSCI 4116: Cryptography
- CSCI 4169: Usable Privacy and Security
- CSCI 4171: Networks and Communications
- CSCI 4174: Network Security
- CSCI 4176: Mobile Computing

Data Science specialization requires a student to take three compulsory courses and three electives from a list of elective courses. Required courses are:

- CSCI 4146 The Process of Data Science
- CSCI 4145 Cloud Computing
- One of CSCI 3151 Web Intelligence or CSCI 4125 High Performance Computing

Elective courses are:

- Either CSCI 3151 Web Intelligence or CSCI 4125 High Performance Computing, not taken as a required course
- CSCI 3154 Introduction to Artificial Intelligence with Gaming Applications
- CSCI 4141 Information Retrieval
- CSCI 4144 Introduction to Data Mining and Data Warehousing
- CSCI 4152 Natural Language Processing
- CSCI 4155 Machine Learning with Robotics
- CSCI 4166 Visualization
- STAT 2080 Statistical methods for Data Analysis and Inference
- STAT 3340 Regression and Analysis of Variance

Degree Requirements and Specialization Requirements

Note that to obtain a degree, the degree requirements must be satisfied. To obtain a specialization certificate, requirements for the specialization, in addition to the degree requirements, must be satisfied. Students need to contact the Undergraduate Administrator to request a certificate and a note on their transcript.

Additional information on the specializations is available at <http://www.cs.dal.ca/undergraduate/specializations>.

Entry Points to Bachelor of Computer Science

There are multiple entry points into the Bachelor of Computer Science program.

First-Year Entry-Students are advised to apply directly to the Faculty of Computer Science but may take their courses within the BSc first year and transfer to Computer Science at the beginning of their second year.

Students who wish to transfer to the Bachelor of Computer Science program from other disciplines may be able to do so, but will have to make up any required courses that are missing.

See also the Academic Regulations section for the Faculty of Computer Science.

Accreditation and the Profession

Of particular importance to the Faculty is the accreditation of the undergraduate program by the Computer Science Accreditation Council (CSAC), which is responsible for accreditation of computer science programs in Canada. Accreditation provides our graduates with an accelerated path towards achieving the professional designation of Information Systems Professional of Canada (I.S.P.).

The Bachelor of Computer Science, Bachelor of Computer Science with Co-op, Bachelor of Computer Science with Honours, and Bachelor of Computer science with Honours and Co-op are accredited by CSAC.

The co-operative program offers work terms to our students, thus providing an additional link between the Faculty and the Profession.

Bachelor of Science and Bachelor of Arts with Computer Science Bachelor of Science Major in Computer Science

The Faculty of Computer Science offers a Bachelor of Science degree with a Major in Computer Science. The program of studies is similar to the Bachelor of Computer Science, but with more flexibility in selection of elective courses. The program may be of benefit for students who want to use it as a basis to enter other professional programs such as Education, Medicine, or Law. However, unlike the Bachelor of Computer Science degree, it does not meet CSAC accreditation requirements. Students interested in this degree option will find further information on the Faculty website at <http://www.cs.dal.ca> and should consult with a Faculty advisor.

Double Majors and Combined Honours

The following degree programs are available to students interested in interdisciplinary studies where the larger number of majors credits is Computer Science: Bachelor of Science (120 credit hours) with Double Major, Bachelor of Science (120 credit hours) with Combined Honours, Bachelor of Arts (120 credit hours) Double Major and Bachelor of Arts (120 credit hours) Combined Honours.

Combined Honours

Students interested in taking honours in Computer Science and another subject as a combined program should consult the honours advisor through whom a suitable course of study can be arranged.

A combined honours program may well be an appropriate choice for many students. If a student is contemplating graduate work, it should be borne in mind that the work in either subject of a combined honours program may be insufficient for entry to a regular graduate program, and that a qualifying year may be necessary.

Students who wish to arrange interdisciplinary programs (with fields such as Mathematics, Physics, Psychology, and others) are invited to discuss their interests with the appropriate department and the Undergraduate Chair of the Faculty of Computer Science.

Minor in Computer Science for Non-Computer Science Major BSc

The Minor in Computer Science is available to non-CS students registered in a 120 credit hour major and honours programs. Please see Minor in Computer Science.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

General Interest Courses

The Faculty offers six courses that should be of interest to students whose major field of study while at Dalhousie will not be Computer Science.

CSCI 1106.03
CSCI 1107.03
CSCI 1200.03
INFX 1606.03
INFX 1615.03
INFX 1616.03

Course Descriptions

CSCI 1100 Computer Science I

CREDIT HOURS: 3

This course provides a general introduction to computer science and the hardware and software of computers. The main focus is on programming skills and how to apply these skills in solving a variety of problems. Algorithmic concepts are stressed.

PREREQUISITE: Nova Scotia PreCalculus or Calculus Math or equivalent

EXCLUSIONS: CSCI 1202.03

CSCI 1101 Computer Science II

CREDIT HOURS: 3

This course is a continuation of CSCI 1100.03. It focuses on programming and linear data structures.

PREREQUISITE: CSCI 1100.03 or INFX 1600.03 or INFX 1604.03

CSCI 1106 Animated Computing

CREDIT HOURS: 3

This course is a hands-on introduction to two areas of computing: robotics and game design. Students will learn how to program simple robots and will use empirical methods to investigate various aspects of robotics, such as sensors and actuators, uncertainty, knowledge representation, and failure detection and recovery. Students will also learn how to design and develop simple games and will investigate aspects of game design, such as event driven frameworks and collision detection. Students will use empirical methods to investigate the player-centric aspects of game design. Students work in groups to complete small robotics and game design projects.

CSCI 1107 Social Computing

CREDIT HOURS: 3

A hands-on course on technologies and the underlying infrastructure for social computing, including digital collaboration media, social networks and visualization, and their social impact. Students will use various applications, such as Twitter, YouTube, and wikis to examine their functionalities, and explore infrastructure technologies including databases, computer networks and Web-servers that facilitate their execution.

CSCI 1200 Introduction to Computing for Non-Majors

CREDIT HOURS: 3

This is a course of technical computer literacy. Students can expect to learn about computers in a general way and how computers affect the way we live and work. Students will be given an opportunity to become familiar with typical applications of software such as word processors, spreadsheets and database applications. Other topics will include the use of the internet, creation of web pages, and simple programming concepts. No previous computer experience is required. This course is open to Arts and Social Sciences and Health Education students only.

NOTES: This course cannot be counted towards the Bachelor of Commerce or a Minor in Business.

CROSS-LISTING: ASSC 1000.03

CSCI 2100 Communication Skills: Oral and Written

CREDIT HOURS: 3

This course is designed to help students become more successful communicators by examining the communication process from both a theoretical and practical viewpoint. Students learn to formulate communication goals, to examine their audience and to deliver accurate, effective messages. Written assignments and oral presentations allow for the development of these skills through practice. Students ultimately learn to communicate effectively and with confidence in a variety of settings.

PREREQUISITE: It is recommended that students have completed their Writing Requirement.

CROSS-LISTING: ENGL 2100.03

EXCLUSIONS: COMM 2701.03, COMM 1701.03, COMM 1702.03, MGMT 3602.03

CSCI 2110 Computer Science III

CREDIT HOURS: 3

This course provides a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation. In discussing design and analysis there is a strong emphasis on abstraction. In discussing implementation, general approaches that are applicable in a wide range of procedural programming language are emphasized, in addition to a focus on the details of implementations. Topics include an introduction to asymptotic analysis and a review of basic data structures (stacks, queues, lists, vectors), trees, priority queues, dictionaries, hashing, search trees, sorting (MergeSort, QuickSort, RadixSort) and sets, and graphs (traversals, spanning trees, shortest paths).

PREREQUISITE: CSCI 1101.03

CSCI 2112 Discrete Structures I

CREDIT HOURS: 3

See the course description for MATH 2112.03 in the Mathematics section of this calendar.

CROSS-LISTING: MATH 2112.03

CSCI 2113 Discrete Structures II

CREDIT HOURS: 3

See the course description for MATH 2113.03 in the Mathematics section of this calendar.

PREREQUISITE: See Mathematics section

CROSS-LISTING: MATH 2113.03

CSCI 2121 Computer Organization with Assembly Language

CREDIT HOURS: 3

This course deals with the fundamentals of computer organization; assembly language is used as an aid to studying computer organization. Topics include digital logic, ALU and CPU design, object code, microprogramming, CISC, RISC, and parallel computers.

COREQUISITE: CSCI 2112.03 and CSCI 2132.03

PREREQUISITE: CSCI 1101.03

CSCI 2132 Software Development

CREDIT HOURS: 3

This course presents techniques for programming and software development in a procedural language. It reviews the basics of procedural programming and introduces students to source code management, testing strategies, debugging, and basic scripting techniques.

PREREQUISITE: CSCI 1101.03 or suitable prior programming experience

CSCI 2141 Introduction to Database Systems

CREDIT HOURS: 3

This course introduces students to the concepts of database management systems and database design. Topics include: Database (DB) components, DB design using entity-relationship (relational and object oriented), SQL, and transactional properties and techniques to support them. The concepts will be reinforced using one or more Database Management Systems.

PREREQUISITE: CSCI 1100.03

CROSS-LISTING: INFX 2640.03

EXCLUSIONS: CSCI 2140.03

CSCI 3101 Social, Ethical and Professional Issues in Computer Science

CREDIT HOURS: 3

Computers can enable people to do things that our present laws and policies were not formulated to cover (hacking, sharing files on the internet, and companies sharing data). In such cases, people need to be able to decide for themselves the best course of action, and defend such decisions. This course aims at developing the ethical reasoning skills and sensitivities that computer professionals will need to make good decisions and to justify them. The course includes a general introduction to ethical theories and their use in making and justifying decisions. We then consider various issues and case studies, illustrating the kinds of problems that can arise from the use and misuse of computers and technology: the responsibilities of computing professionals; ethics on the internet (hacking, computer crime, netiquette); privacy and information; intellectual property; social and political issues (digital divide, computers and work, the internet as a democratic technology).

CROSS-LISTING: PHIL 2490.03

CSCI 3110 Design and Analysis of Algorithms I

CREDIT HOURS: 3

This course covers techniques for the design and analysis of efficient algorithms and data structures. Topics include asymptotic analysis, divide and conquer algorithms,

greedy algorithms, dynamic programming, data structure design, optimization algorithms, and amortized analysis. The techniques are applied to problems such as sorting, searching, identifying graph structure, and manipulating sets.
PREREQUISITE: CSCI 2110.03 and CSCI 2112.03

CSCI 3120 Operating Systems

CREDIT HOURS: 3

This course includes a review of I/O and interrupt structures. Topics covered include dynamic procedure activation, system structure and evaluation, memory management, process management, process scheduling, recovery procedures, concurrency, deadlocks, resource allocation, protection, and operating systems implementation.

PREREQUISITE: CSCI 2110.03, CSCI 2121.03, and CSCI 2132.03

CSCI 3121 Computer Systems Architecture

CREDIT HOURS: 3

The primary objective of this course is to give a comprehensive understanding of the structure and function of a computer system from an architecture and integration viewpoint. It focuses on two broad architectural perspectives: the internal perspective, which entails the architecture and design integration of the data path logic, control path logic, memory and I/O; and the external perspective, which provides consumer views and system selection aspects. Examples of real machines are used in the course.

PREREQUISITE: CSCI 2121.03

EXCLUSIONS: ECED 3403.03

CSCI 3130 Introduction to Software Engineering

CREDIT HOURS: 3

The course examines the process of software development, from initial planning through implementation and maintenance. A brief survey of available tools and techniques will be presented covering the topics of analysis, planning, estimating, project management, design, testing, and evaluation. Particular emphasis will be given to organizing and planning, team participation and management, top-down design and structure charts, system and information flow diagrams, walk-throughs and peer review, and testing and quality control.

PREREQUISITE: CSCI 2110.03, CSCI 2132.03, or INFX 3600.03

CROSS-LISTING: INFX 3630.03

CSCI 3132 Object Orientation and Generic Programming

CREDIT HOURS: 3

This course deals with the fundamental concepts of object-oriented programming: behaviour, inheritance, encapsulation and polymorphism. There is a discussion of the history of object-oriented programming, and introduction to some currently used object-oriented programming languages.

PREREQUISITE: CSCI 2110.03 and CSCI 2132.03

CSCI 3136 Principles of Programming Languages

CREDIT HOURS: 3

This course provides a comparative study of advanced programming language features. Topics include statement types, data types, variable binding and parameter passing mechanisms. Formal methods for syntactic and semantic description of programming languages are examined.

PREREQUISITE: CSCI 2110.03, CSCI 2112.03, and CSCI 2132.03

CSCI 3151 Web Intelligence

CREDIT HOURS: 3

The Web and on-line digital libraries constitute the largest repository of interconnected knowledge in text form mankind ever created. Search engines have made this knowledge accessible to the lay person. Social networks further enhance the exchange of knowledge among individual Web users. Mining the Web and associated digital libraries is the next challenge that promises to change the nature of scientific discovery, and to dramatically impact the way business is conducted. This course will introduce the core Artificial Intelligence concepts and algorithms in the context of Web and text mining: machine learning, natural language processing, semantic web, social networks and web usage mining.

PREREQUISITE: CSCI 2112.03, CSCI 2141.03, STAT 2060.03, and MATH 2030.03

CSCI 3154 Introduction to Artificial Intelligence with Gaming Application

CREDIT HOURS: 3

This course covers the breadth of Artificial Intelligence techniques and as such is divided into roughly two parts: Symbolic AI and Machine Learning. Throughout the course the problem of decision making for Non-Play Characters in computer games will form the case study and application examples used to illustrate the AI techniques studies. Symbolic AI will cover First-order Logic, Forward/Backward chaining, Rule-based systems and Fuzzy Logic. The relative trade offs in the application of such architectures to NPC decision making will be developed. The role of Planning systems in Goal orientated decision making will also be introduced, where this also makes use of search based problem solving and the A* algorithm. Search and its utility in evaluation of next moved in turn-wise games will also be specifically investigated as well it introduction to Bayesian Decision making will be made, where this leads to causal reasoning and adaptation. The second half of the course will introduce Machine Learning from the basic design decisions of Representation, Credit assignment and Cost Function. Two paradigms will be investigated in particular - Gradient decent Neural Networks and Evolutionary computation - where these illustrate the relative trade offs implicit in the three ML design decisions. Case studies and laboratories illustrating these properties include learning to play checkers, recognizing Poker hands, learning NPC behaviors through evolution.

PREREQUISITE: CSCI 2110.03, CSCI 2112.03, and CSCI 2132.03

EXCLUSIONS: CSCI 4154.03

CSCI 3160 Designing User Interfaces

CREDIT HOURS: 3

This course deals with concepts and techniques underlying the design of interactive systems. Both human factors and the technical methods of user interface design are covered. Students will learn how to apply various techniques through the design, creation, and testing of a prototype system.

COREQUISITE: CSCI 2140.03 or CSCI 2141.03

PREREQUISITE: CSCI 2132.03 or INFX 1616.03 or INFX 2690.03

CSCI 3161 Introduction to Computer Graphics and Animation

CREDIT HOURS: 3

The course provides students with a practical foundation in high-level computer animation programming. Through the development of a significant project using industry standard graphics libraries, students will learn proven techniques that have become common currency in the field of computer animation.
PREREQUISITE: CSCI 2110.03, CSCI 2132.03 and MATH 2030.03

CSCI 3162 Digital Media

CREDIT HOURS: 3

This course covers technical aspects of digital media, including images, video, and sound. Topics covered include digital representation, processing, compression, and multimedia generation.

PREREQUISITE: MATH 1000.03, MATH 2030.03, CSCI 2110.03

EXCLUSIONS: CSCI 4165.03

CSCI 3171 Network Computing

CREDIT HOURS: 3

This course gives students a foundation in computer networks. It presents a top-down view of the layered architectural elements of communication systems, focusing on the Internet and TCP/IP. Topics include client/server systems, packet switching, protocol stacks, queuing theory, application protocols, socket programming, remote service calls, reliable transport, UDP, TCP, and security.

PREREQUISITE: CSCI 2110.03, CSCI 2132.03 and STAT 2060.03

CSCI 3172 Web-Centric Computing

CREDIT HOURS: 3

This course provides a solid grasp of core WWW technologies and a conceptual framework for understanding the development of the WWW and working with future web technologies. The course explores interactive and non-interactive web applications built using various technologies and architectural models. We explore the significance of web design and programming concepts in terms of accessibility issues both from the perspective of web robots and end-users. Web caching, proxy techniques, and security issues are also discussed.

COREQUISITE: CSCI 3171.03 may be taken as a co-requisite

PREREQUISITE: (CSCI 2140.03 or CSCI 2141.03) and CSCI 3171, or INFX 2691.03 and INFX 2601.03

CSCI 3190 Community Outreach

CREDIT HOURS: 3

This is a project-oriented course where the result of the project is a real-world implementation that meets the requirements of a community group such as a charity, non-profit organization, or educational institution. Students work in teams on the entire application development life cycle from requirements analysis through to maintenance. Lectures cover a range of topics such as practical application of requirements analysis, systems design, and database design methodological skills developed in prerequisite courses or from prior equivalent experience. This course cannot be counted towards a Bachelor of Informatics degree.

PREREQUISITE: CSCI 2100.03, CSCI 2132.03, and (CSCI 2140.03 or CSCI 2141.03)

CSCI 3191 Community Outreach II

CREDIT HOURS: 3

CSCI 3191 is a continuation of CSCI 3190, allowing students to undertake projects lasting two terms or to work on a second, more advanced project. When CSCI 3190 and CSCI 3191 are offered concurrently, they are jointly scheduled, and project teams are drawn from both courses, with more responsibility given to students enrolled in CSCI 3191 (e.g., team leadership). This course cannot be counted towards a Bachelor of Informatics degree.

PREREQUISITE: CSCI 3190.03 or permission of the instructor

CSCI 4112 Theory of Computation

CREDIT HOURS: 3

This is a course on formal languages and computational models. Topics covered include finite automata, pushdown automata, Turing machines, undecidability and recursive and recursively enumerable functions. Some applications to computer science are also discussed such as compiler design and text processing.

PREREQUISITE: CSCI 2112.03 and CSCI 3136.03

CROSS-LISTING: MATH 4660.03

CSCI 4113 Design and Analysis of Algorithms II

CREDIT HOURS: 3

This course covers advanced techniques for the design and analysis of efficient algorithms. Problems are taken from a wide range of areas including combinatorics, numerical computation, graph algorithms, string matching, approximation algorithms, computational geometry, and NP-Completeness.

PREREQUISITE: CSCI 3110.03

CROSS-LISTING: MATH 4130.03

CSCI 4115 Topics in Graph Theory

CREDIT HOURS: 3

See the course description for MATH 4330 in the Mathematics section of this calendar.

PREREQUISITE: See Mathematics section

CROSS-LISTING: MATH 4330.03

CSCI 4116 Cryptography

CREDIT HOURS: 3

See the course description for MATH 4116 in the Mathematics section of this calendar.

PREREQUISITE: See Mathematics section

CROSS-LISTING: MATH 4116.03

CSCI 4117 Advanced Data Structures

CREDIT HOURS: 3

Data structures play a central role in many modern applications, and are essential building blocks of efficient algorithms. This course covers classical results and recent advancements on data structures. Topics covered include the $O(\lg n)$ barrier in sorting and searching, online optimization of search structures, fast text retrieval, space

efficient data structures for large data sets, and persistent data structures.

PREREQUISITE: CSCI 3110.03

CSCI 4125 High Performance Computing

CREDIT HOURS: 3

This course explores the design, implementation, and evaluation of computer programs for applications in which performance is a central issue. In the sequential computing setting, it explores topics such as profiling, cache effects, I/O performance, floating-point issues, compiler directives and performance tuning. In the parallel computing setting it introduces techniques for the design, implementation and evaluation of programs for both Shared-Memory Multiprocessors (SMPs) and Distributed Memory Multiprocessors (clusters). It is recommended that students take CSCI 3121 prior to taking this course.

PREREQUISITE: CSCI 3120.03

CSCI 4126 Ubiquitous Computing

CREDIT HOURS: 3

Ubiquitous Computing moves computing off the desktop and into the fabric of our everyday lives. This course explores both systems and human-centric advances in Ubiquitous Computing, including sensing, middleware, locative applications, smart environments, ambient displays, and tangible interaction. Students will design and implement a Ubiquitous computing application prototype.

PREREQUISITE: CSCI 3160.03 and CSCI 3171.03

CSCI 4140 Advanced Database Systems

CREDIT HOURS: 3

This course covers advanced Database (DB) topics including, but not limited to: DB design, normalization query processing and optimization, transaction processing, concurrency control and recovery, and distributed databases. Additional topics may include object-oriented databases, multi-databases, data integration and data warehousing.

PREREQUISITE: CSCI 2141.03

EXCLUSIONS: CSCI 3140.03

CSCI 4141 Information Retrieval

CREDIT HOURS: 3

This course examines information retrieval within the context of full text databases. Topics include the major models of information retrieval, evaluation, searching and clustering, and hypertext.

PREREQUISITE: CSCI 2110.03 and (CSCI 2140.03 or CSCI 2141.03)

CSCI 4144 Introduction to Data Mining and Data Warehousing

CREDIT HOURS: 3

This course reviews main concepts in data mining and data warehouses including objectives, architectures, algorithms, implementations, and applications. The topics covered include operational information process, decision-oriented information process, data warehousing and On-Line Analytical Process (OLAP), characterization mining, association rule mining, classification and predication and clustering. Selected system tools for data mining and data warehousing are introduced.

PREREQUISITE: CSCI 2141.03 or CSCI 3140.03

CSCI 4145 Cloud Computing

CREDIT HOURS: 3

Cloud computing provides users with the ability to access and use computational, storage, and interconnect resources as services offered by cloud providers. This course provides the students with the theoretical foundations of the cloud computing as well as with hands-on experience in using various cloud technologies. Topics covered are related to the types of cloud services, cloud infrastructure, distributed storage models, and programming models offered as general services and also developed for Big Data. Topics will also include underlying technologies, such as virtualization.

PREREQUISITE: CSCI 2141.03, CSCI 3120.03, and CSCI 3171.03

CSCI 4146 The Process of Data Science

CREDIT HOURS: 3

The advent of low-cost storage and processing power coupled with ever increasing amounts of "born digital" data has created the new field of data science. The ability to achieve a specific goal or answer a business question by crunching through very large and complex databases is becoming a competitive advantage for businesses and leads to new discoveries in science and medicine. This course is an overview of the different processes that make up a data science project. While other fields concentrate on finding previously unknown knowledge or searching for a specific pattern, data science focuses on answering deep questions and making the conclusions accessible to the rest of the organization. This course requires the implementation of software and experimental design in order to complete the assignments.

PREREQUISITE: CSCI 2141.03, STAT 2060.03, CSCI 3130.03 and (CSCI 3151.03 or CSCI 3154.03)

CSCI 4152 Natural Language Processing

CREDIT HOURS: 3

This course presents strategies and techniques for natural language understanding by machines. The course will cover a selection of topics taken from the following three areas: parsing techniques used to represent sentence structure and discover ambiguities, the representation of word meanings and how sentence meaning can be derived from word meanings, and the application of context and world knowledge to the interpretation of language.

PREREQUISITE: CSCI 3110.03

CSCI 4155 Machine Learning

CREDIT HOURS: 3

This course focuses on the theory of learning machines, which are important techniques underlying data mining and many AI applications. The topics include supervised learning, in particular maximum likelihood estimation in stochastic model and probabilistic reasoning, ubiquitous learning machines such as support vector machines and deep neural networks; unsupervised learning which includes generative models, expectation maximization, and Boltzmann machines; and reinforcement learning including Markov decision processes and temporal difference learning. The course includes an introduction to a high level modeling language such as MATLAB or Python and refresher on probability theory and matrix algebra.

PREREQUISITE: MATH 2030.03 and STAT 2060.03

EXCLUSIONS: CSCI 4150.03

CSCI 4160 Topics in Computer Graphics

CREDIT HOURS: 3

This course presents the theory and mathematical algorithms required to develop and build a graphics package. Emphasis is on either two or three dimensions and the transformations and manipulations necessary to lead to animation. The design platform and language are left as a student choice to ensure immediate familiarity and future development advantages.

PREREQUISITE: CSCI 3161

CSCI 4163 Human-Computer Interaction

CREDIT HOURS: 3

Human-computer interaction deals with human-computer communication and how to facilitate it. This course begins with a discussion of information processing characteristics important to human-computer interaction and formal models of human-computer interaction. Subsequent topics include dialogue techniques, response times and display rates, information presentation, interaction devices, computer training, help systems, computer supported co-operative work, information search and visualization, hypermedia, and the world wide web.

PREREQUISITE: CSCI 3160.03

CSCI 4166 Visualization

CREDIT HOURS: 3

This course focuses on graphical techniques for data visualization that assist in the extraction of meaning from datasets. This involves the design and development of efficient tools for the exploration of large and often complex information domains. Applications of visualization are broad, including computer science, geography, the social sciences, mathematics, science and medicine, as well as architecture and design. The course will cover all aspects of visualization including fundamental concepts, algorithms, data structures and the role of human perception.

PREREQUISITE: CSCI 3161.03 or CSCI 4160.03

CSCI 4167 Topics in Computer Animation

CREDIT HOURS: 3

The course introduces students to fundamental and advanced techniques and algorithms in Computer Animation. Topics include interpolation based and kinematic techniques, physically based modelling, motion capture, and character animation.

PREREQUISITE: CSCI 3161.03

CSCI 4168 Game Design and Development

CREDIT HOURS: 3

This course covers the fundamentals of digital game design with an emphasis on team-based development. In this course students will produce a significant game using techniques and principles derived from established state-of-the-art industry practices. Topics include an examination of game design theories, programming architectures, audio-visual design and game production.

PREREQUISITE: CSCI 2110.03 and CSCI 3130.03

CSCI 4169 Usable Security

CREDIT HOURS: 3

Human factors play an important role in the effectiveness of security and privacy solutions, and it is important for security and privacy experts to have an understanding of how people will interact with the systems they develop. This course is designed to introduce students to a variety of usability and user interface problems related to privacy and security, and to give them experience in designing studies aimed at helping to evaluate usability issues in security and privacy systems. Topics include human threat identification, security warning design, location privacy, privacy policies, web browser privacy and security, phishing, passwords, and secure communication.

PREREQUISITE: CSCI 3160.03

CSCI 4171 Networks and Communication

CREDIT HOURS: 3

The primary objective of this course is to give the student a comprehensive understanding and specialized knowledge in the field of computer networks and communications. The course teaches through a systems approach to networks by examining the hardware and protocol components that comprise a network. The course also examines the interactions and interdependencies between protocols. Topics covered in this course include network principles and concepts, transmission principles, network architecture, routers and routing protocols, direct link networks, wireless networks, internetworking, and emerging network technologies.

PREREQUISITE: CSCI 2121.03 and CSCI 3171.03

CSCI 4174 Network Security

CREDIT HOURS: 3

Security stands out as a critical issue in the design and deployment of information systems in general, and networks in particular. This course will deal with the design of secure information systems with emphasis on secure networking and secure information transfer. It will also include topical and emerging areas in security such as the establishment of an organization-wide security plan and bio-metric identification systems.

PREREQUISITE: CSCI 3171.03

CSCI 4176 Mobile Computing

CREDIT HOURS: 3

This course covers the principles of mobile computing and the concepts and techniques underlying the design and development of mobile computing applications. Mobile computing is discussed from technological, application, and user perspectives. Topics include mobile and wireless communication technologies, development environments, application design for resource limited and failure-prone environments, user interface issues in the mobile computing setting, and the future of mobile computing.

PREREQUISITE: CSCI 2121.03 and CSCI 3171.03

CSCI 4180 Introduction to Computational Biology and Bioinformatics

CREDIT HOURS: 3

This course introduces biology-related applications of computer science. No background in biology is assumed. The topics covered include the following: introductory molecular biology and evolution, genomics, similarity and homology, multiple sequence alignments, phylogenetics, structural bioinformatics and gene expression. The

emphasis is on the applications of computer science to biology.
PREREQUISITE: CSCI 2132 and STAT 2060

CSCI 4181 Bioinformatics Algorithms

CREDIT HOURS: 3

The discipline of bioinformatics applies sophisticated computational and statistical techniques to problems in the biological domain. This course will focus on a few biosequence-related challenges in depth, examining the complexity and efficiency of different approaches, the relationship between statistical optimality and biological reality, and the consistency (or lack thereof) among methods.

PREREQUISITE: CSCI 3110 or permission by instructor

CSCI 4190 Special Topics in Computer Science

CREDIT HOURS: 3

This course examines topics determined by the interests of the students and the instructor.

PREREQUISITE: Permission of the instructor

CSCI 4191 Application Development Project

CREDIT HOURS: 3

This is a project-oriented course for students to participate in distributed software development projects, such as the Undergraduate Capstone Open Source Project (www.ucosp.ca) initiative. Students work as part of a development team on new or existing projects for real-world applications. In this course students learn how to work in large development teams, which may be geographically distributed. Students implement portions of a large software project and give a public presentation on their work. Students work under supervision of a faculty member. A specific development project must be approved by the undergraduate chair in consultation with the instructor.

PREREQUISITE: (CSCI 3120.03, CSCI 3130.03 and CSCI 3171.03) or INFX 4600.03

CSCI 4192 Directed Studies

CREDIT HOURS: 3

This course is a study of specific academic subject area not covered in another course offered at Dalhousie University, under close supervision of a faculty member. It typically consists of predetermined readings, discussions with the instructor, and a term paper summarizing the studied material. A specific directed studies course must be approved by the undergraduate chair in consultation with the instructor.

PREREQUISITE: CSCI 3110.03, CSCI 3120.03, CSCI 3130.03, CSCI 3136.03, CSCI 3171.03

CSCI 8873 Honours Seminar

CREDIT HOURS: 3

This is a course through which students complete their Honours Thesis requirements. Honours students in Computer Science must register for this course or CSCI 8871/72. In this course, students complete their thesis research, write their honours theses, and give public presentations of their work. In a normal course sequence, the student should have taken CSCI 4192 under the direction of their thesis supervisor. During this course, the student should have acquired the necessary background knowledge for their thesis research and formulated a research plan for their thesis work. Deviations from this sequence are possible.

PREREQUISITE: Permission of the Honours Coordinator

CSCI 8890 Co-op Seminar

CREDIT HOURS: 0

Students in the Bachelor of Computer Science Co-operative Education Program must register for this course, which orients students to the co-op system. Pass/fail grading applies to this course.

PREREQUISITE: Permission of the Faculty of Computer Science

CSCI 8891 Co-op Work Term I

CREDIT HOURS: 0

This course is the first work term for students in the Bachelor of Computer Science Co-operative Education Program. Pass/fail grading applies to this course.

PREREQUISITE: CSCI 8890.00

CSCI 8892 Co-op Work Term 2

CREDIT HOURS: 0

This course is the second work term for students in the Bachelor of Computer Science Co-operative Education Program. Pass/fail grading applies to this course.

PREREQUISITE: CSCI 8891.00

CSCI 8893 Co-op Work Term 3

CREDIT HOURS: 0

This course is the third work term for students in the Bachelor of Computer Science Co-operative Education Program. Pass/fail grading applies to this course.

PREREQUISITE: CSCI 8892.00

Informatics

Introduction

Informatics is the multidisciplinary study of how people transform technology, and how technology transforms us. It lies at the intersection of people, technology and information systems and focuses on the expanding relationship between information systems and the daily lives of people, both at home and at work. Informatics helps develop new uses for information technology in order to design solutions that reflect the way people create, use and find information, and it takes into account the social, cultural and organizational settings in which those solutions will be used.

Informatics professionals have very diverse jobs. Some typical activities include:

- assess information needs of organizations
- manage information projects
- solve organizational information flow problems
- make software packages talk to each other
- model the information flows among a group of people
- design innovative user interfaces
- track health care resources
- design professional websites
- improve health care information systems
- develop business solutions

Bachelor of Informatics

Program Structure

There is a choice of majors: Environment, Sustainability and Society, Specialization of your own design and Software Systems. Students should consult with the Faculty of Computer Science for details on other options that are being developed.

Elective courses are any courses of your own choosing, although no more than 24 credit hours may be at the 1000 level. The electives allow you to explore possible specializations and to follow personal interests.

A **minor in Management** is available to students registered in the BInf program. For further information, please see the Management section. Note: This increases the program requirements by one course.

The co-operative education program is a mandatory component of the Bachelor of Informatics. Students are required to complete three co-op work terms as part of their bachelor degree.

The co-op office receives requests from employers for co-op placements and advertises these to qualifying students. Students apply for these positions and are interviewed by the employer.

Co-op work terms are scheduled after terms 5, 6 and 7.

The normal academic sequence of terms follows:

Yr/Term	Fall	Winter	Summer
Year 1	AT1	AT2	FREE
Year 2	AT3	AT4	WT1
Year 3	AT5	WT2	AT6
Year 4	WT3	AT7	AT8

AT = Academic study term

WT = Co-op work term

General Requirements

- STAT 1060.03 Introduction to Statistics
- CSCI 1100.03 Computer Science I
- CSCI 1101.03 Computer Science II
- INFX 1606.03: Introduction to Website Creation
- INFX 1615.03: Concepts of Computing
- INFX 1616.03: Applications of Computing
- CSCI 2100.03: Communication Skills
- CSCI 2112.03: Discrete Structures I
- CSCI 2141.03: Introduction to Database Systems
- CSCI 3130.03: Introduction to Software Engineering
- INFX 2601.03: Introduction to Information Security
- INFX 2670.03: Introduction to Server Side Scripting

- INFX 2690.03: Integrated Studies 1
- INFX 2691.03: Integrated Studies 2
- HAHP 3100.03: Research Methods (or equivalent)
- CSCI 3160.03: User Interface Design
- CSCI 3172.03: Web-Centric Computing
- INFX 3601.03: Project 4
- INFX 4600.03: Project 5
- INFX 4601.03: Project 6
- 36 credit hours specified by the major
- 12 credit hours of free electives at or above the 1000 level
- nine credit hours of free electives at or above the 2000 level
- Completion of three co-op work terms

* Neither CSCI 3190.03 nor CSCI 3191.03 can be counted towards a Bachelor of Informatics degree.

Major in Software Systems

The Major in Software Systems follows the general Bachelor of Informatics requirements and must include the following courses:

- CSCI 2110.03: Computer Science III
- CSCI 2132.03: Software Development
- CSCI 3132.03: Object Orientation and Generic Programming
- CSCI 4140.03: Advanced Database Systems
- CSCI 3171.03: Network Computing
- 18 credit hours of CSCI courses at or above the 3000 level

Major in Environment, Sustainability and Society

The College of Sustainability offers a Major in Environment, Sustainability and Society in the BInf program. For complete details about the College, its programs and courses please see the College of Sustainability section.

The Major in Environment, Sustainability and Society follows the general Bachelor of Informatics requirements and must include the following courses:

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 or SUST 2001.06
- 18 credit hours from the approved list (at least 12 credit hours above 2000 level)

Specialization of Your Own Design

The Specialization of your own design follows the general Bachelor of Informatics requirements and must include the following:

- It is your responsibility to develop and submit to the Faculty a written proposal for these 14 courses.
- The 14 courses must be chosen from at least two disciplines other than Computer Science. Two of the disciplines must account for at least four courses each and at least 10 courses together.
- Your proposal must be developed in consultation with one undergraduate adviser from each of the disciplines.
- Your proposal must include career goals, a list of courses, a timeline, and a coherent justification for the proposal. It must be approved by the Faculty.
- At least 30 credit hours must be at the 2000 level or higher.
- At least 18 credit hours must be at the 3000 level or higher.

Entry Points to Bachelor of Informatics

There are multiple entry points in to the Bachelor of Informatics program.

- First-Year Entry-Students are advised to apply directly to the Faculty of Computer Science.
- Students who wish to transfer in to the Bachelor of Informatics program from other disciplines may be able to do so, but will have to make up any required courses that are missing.

See also the Academic Regulation section for the Faculty of Computer Science.

Minor in Informatics for Non-Computer Science Majors

See Minors section.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

INFX 1606 Introduction to Web site creation

CREDIT HOURS: 3

This course introduces students to key web concepts and skills for creating and maintaining websites. This course is intended for students with no formal computer training. Topics include introduction to the Web, hypertext markup languages such as HTML, style sheets, client side programming, multimedia foundations, dynamic content and website organization and maintenance.

CROSS-LISTING: CSCI 1206.03

EXCLUSIONS: INFX 1600.18

INFX 1615 Concepts of Computing

CREDIT HOURS: 3

This course introduces some key concepts in computing and places them in context with a survey of applications. The skills developed in this course include research, redaction, problem solving and abstraction. The themes covered are the following: Data and storage, operating systems, networking and the Internet, database systems, artificial intelligence and computer graphics. This course is eligible to partially cover the writing requirement for students in the Bachelor of Computer Science, the Bachelor of Informatics and Bachelor of Science, Computer Science.

INFX 1616 Applications of Computing

CREDIT HOURS: 3

This course covers professional aspects of the computing industry. The main themes are: project management, software engineering and computer languages. It explores how technological advances impact the workplace for non-technical people. It also includes a module on proofreading and editing. This course is eligible to partially cover the writing requirement for students in the Bachelor of Computer Science, the Bachelor of Informatics and Bachelor of Science, Computer Science.

INFX 2601 Introduction to Information Security

CREDIT HOURS: 3

Information security is becoming increasingly important in today's networked world, and is impacting every aspect of our lives including finance, healthcare, government, education, arts and entertainment. The objective of this course is to teach the basic principles of information security from the perspective of providing security awareness and its best practices for the real world. Topics include motivation for security, tools and techniques used by adversaries to gather information and launch attacks, Internet security, firewalls, basics of encryption and authentication, virus protection, secure credit card and bank transactions, wireless security, computer forensics, identity theft and protection, anti-phishing and biometric security.

CROSS-LISTING: CSCI 2201.03

INFX 2640 Introduction to Database Systems

CREDIT HOURS: 3

This course introduces students to the concepts of database management systems and database design. Topics include: Database (DB) components, DB design using entity-relationship (relational and object oriented), SQL, and transactional properties and techniques to support them. The concepts will be reinforced using one or more Database Management Systems.

PREREQUISITE: CSCI 1100.03

EXCLUSIONS: CSCI 2141.03

INFX 2670 Introduction to Server Side Scripting

CREDIT HOURS: 3

A server side scripting language is used to create web pages with dynamic content. The course provides the technology necessary for connecting client web pages to web servers and processing and storing information obtained using forms during web sessions.

COREQUISITE: INFX 2640.03 or CSCI 2141.03

PREREQUISITE: CSCI 1100.03 and INFX 1606.03
CROSS-LISTING: CSCI 2170.03

INFX 2690 Managing Software Development Projects

CREDIT HOURS: 3

Students work in project teams to solve a practical informatics problem. Team members are drawn from all years of study. The project gives students an opportunity to develop their technical and professional skills.

PREREQUISITE: First year writing requirement

INFX 2691 Introductory Community Outreach Project

CREDIT HOURS: 3

This course is a continuation of INFX 2690.03

PREREQUISITE: INFX 2690.03, INFX 1606.03, CSCI 1100.03

INFX 3600 Intermediate Community Outreach Project I

CREDIT HOURS: 3

This course is a continuation of INFX 2691.03 with the development of leadership skills.

PREREQUISITE: INFX 2640.03, INFX 2670.03, INFX 2691.03

INFX 3601 Intermediate Community Outreach Project II

CREDIT HOURS: 3

This course is a continuation of INFX 3600.03

PREREQUISITE: INFX 3600.03

INFX 3630 Introduction to Software Engineering

CREDIT HOURS: 3

See the course description for CSCI 3130.03 in the Computer Science section of this calendar.

PREREQUISITE: CSCI 2110.03, CSCI 2132.03, or INFX 3600.03

CROSS-LISTING: CSCI 3130.03

INFX 4600 Senior Community Outreach Project I

CREDIT HOURS: 3

Continuation of INFX 3601.03

PREREQUISITE: CSCI 3130.03, INFX 2690.03, and (INFX 3601.03 or CSCI 3191.03)

INFX 4601 Senior Community Outreach Project II

CREDIT HOURS: 3

Continuation of INFX 4600.03

PREREQUISITE: INFX 4600.03

Faculty of Engineering

Location:

Building/Room: Sexton Campus

Street Address 1: 5248 Morris Street

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-8431

Fax: (902) 492-0011

Website: www.dal.ca/engineering

Email Address: engineering@dal.ca

Engineering as a Profession

Engineering is an important profession. Virtually all aspects of modern life are involved with this fascinating discipline. Engineering education at Dalhousie is demanding, because the engineering profession is demanding. Society expects its technical problem solvers to offer answers to some of the most difficult questions around, questions related to the environment, productivity, information technology, communications, transportation, and more. In general, the engineering enterprise contributes not only to human welfare, but also to the sustainable development of our resources. Engineering education provides great rewards for the engineer of the future. Specifically, there is the personal satisfaction of following a career where one's personal expertise can benefit fellow humans and contribute to the making of a better world.

The Faculty of Engineering at Dalhousie University prepares its students with the problem-solving skills needed for lifelong exploration in a field that answers some of today's most pressing concerns. The Faculty of Engineering has an excellent tradition of providing engineering education for students in the Atlantic Provinces that started in 1907 with the founding of the Nova Scotia Technical College. Our graduates occupy many important positions throughout Canada and in many other countries.

The Faculty of Engineering offers undergraduate curricula leading to the degree of Bachelor of Engineering in the following disciplines:

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial Engineering
- Materials Engineering
- Mechanical Engineering
- Mineral Resource Engineering

The Faculty also offers a Bachelor of Applied Science in Food Science (admission suspended, pending review), and post-graduate studies at the master's and doctoral level.

For students who are eligible, the Faculty of Engineering offers a Bachelor of Engineering Co-operative Education program that integrates academic study with university approved industrial experience. Graduation from this program requires satisfactory performance in both areas. The schedule of study and work terms varies according to the discipline, details of which are outlined in Section E of the Engineering curricula in this calendar.

The co-operative education system requires students to alternate periods of study with periods of university approved, full-time, paid employment. The period of employment is called a work term and is normally four months (16 weeks) in length. Some programs combine two or more four month work terms. Work terms have academic requirements that must be completed in addition to the requirements of the employer.

The co-op degree program covers almost five calendar years, comprising eight or nine terms (depending on the area of specialization) each consisting of about four months' duration of university work on campus which are pursued alternately with four-month terms of supervised training in the practical experiences fundamental to the development of the graduate engineer. In a typical program of study, the total time spent in academic study is the same as that encountered in the usual course of four academic years.

Graduation from the University is the beginning of a lifelong learning experience. After completion of formal studies leading to the Bachelor of Engineering degree, and being admitted as an Engineer in Training (EIT) by an Association of Professional Engineers in Canada, four years of suitable experience are required as a condition of admission to the profession of Engineering.

The practice of engineering is regulated, by statute, in all Canadian provinces and territories. To become a Professional Engineer you must satisfy the requirements of the licensing bodies. These requirements include a degree from an accredited program, successful completion of a professional practice (law and ethics) examination, and suitable experience. Accreditation of the degree programs by the CEAB is the mechanism by which graduates qualify for registration as Professional Engineers without the need to undertake additional examinations in specific technical subject areas. The BEng programs described in this calendar have been specifically designed to satisfy the criteria of the Profession and are evaluated regularly by the Canadian Engineering Accreditation Board (CEAB) of Engineers Canada. The Faculty will not graduate any student who does not meet these requirements because this would jeopardize accreditation for the program. The department responsible for the appropriate program will use these requirements in determining the suitability of student elective course selections. The baccalaureate programs in all disciplines are accredited by the Canadian Engineering Accreditation Board.

Degree Programs

Undergraduate

Engineering

Bachelor of Engineering

Students who have successfully completed the academic study program in any of the disciplines will be granted the degree of Bachelor of Engineering.

Bachelor of Engineering with Distinction

Students who have successfully completed the requirements for the degree of Bachelor of Engineering, and have obtained a Cumulative Grade Point average of at least 3.7, will be granted the degree of Bachelor of Engineering with Distinction.

Bachelor of Engineering with Sexton Distinction

Dr. F.H. Sexton was the President of the Nova Scotia Technical College since its establishment in 1909 until his retirement in 1947. To honour his contributions, the Faculty of Engineering awards the designation of Sexton Distinction to each undergraduate student who has taken a full course load and obtained a cumulative Grade Point Average of at least 3.85 or higher with no failed marks during their program beginning in Academic Term 5.

Co-operative Program Designation

Students who have successfully completed the requirements for the degree of Bachelor of Engineering and who, in addition, have successfully completed three four-month work terms, each of a minimum of 14 weeks, with a minimum of 35 hours per week, or equivalent as determined by the Department and the Co-op office, will receive the "Co-operative Education" designation on their degree.

Diploma of Engineering

Students who have successfully completed the academic study program in the first four terms in any of the disciplines will be granted the Diploma of Engineering.

Combined Bachelor of Science/Diploma of Engineering

Students may register in a combined Bachelor of Science/Bachelor of Engineering program. Those who successfully complete the requirements as outlined in the Concurrent Programs sections will be awarded the Diploma in Engineering and the 90 credit hour Bachelor of Science Degree.

Combined Bachelor of Arts/Diploma of Engineering

Students may register in a combined Bachelor of Arts/Bachelor of Engineering program. Those who successfully complete the requirements as outlined in the Concurrent Programs sections will be awarded the Diploma in Engineering and the 90 credit hour Bachelor of Arts Degree.

Food Science

Bachelor of Applied Science

This is a standard 120 credit hour curriculum. Consult the Food Science section.

Graduate

Master of Applied Science

Students who have successfully completed the course requirements for the degree and who have submitted and defended orally an acceptable thesis, will be awarded the degree of Master of Applied Science.

Master of Engineering

Students who have successfully completed the course requirements for the degree and submitted an acceptable project report, will be awarded the degree of Master of Engineering.

Master of Engineering (Internetworking)

This is a 10 month plus internship/project interdisciplinary Master's Degree program focused on the theory and technology of the Internet. This program has been designed to prepare individuals to play an active role in the rapidly expanding field of Internetworking. Students who complete the prescribed ten courses and a project course will be awarded the MEng (Internetworking).

Master of Science

Students who have successfully completed the course requirements for the degree in Engineering Mathematics or Food Science and who have submitted and defended orally an acceptable thesis or project report, shall be awarded the degree of Master of Science.

Doctor of Philosophy

Students who have successfully completed the course requirements for the PhD degree, passed their comprehensive examination, and submitted and defended orally a satisfactory thesis, will be awarded the degree of Doctor of Philosophy.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Associate Dean, Undergraduate Studies and Associated Universities

Cyrus, J. P., BSc (Eng) (UWI), MASc, PhD (TUNS), PEng

Assistant Dean, Planning

Bauer, R. J., BSc (Waterloo), PhD (Toronto), PEng

Assistant Dean, Co-op

Pelot, R., BSc (Ottawa), MSc (Alberta), PhD (Waterloo), PEng

Director, Core Program

Jarjoura, G., BEng (TUNS), MSc, PhD (Dalhousie), PEng

Engineering (Year I & II) The Associated University Program

Students who have completed the degree requirements for a Diploma of Engineering or a Certificate of Applied Science from one of the Associated Universities are admissible to the Upper Division in the Faculty of Engineering. Admission to specific programs is competitive and is based on the students' academic standing. The Associated Universities are:

Acadia University

Wolfville, Nova Scotia
A. Mitchell, Director
The Ivan Curry School of Engineering

Cape Breton University

Sydney, Nova Scotia
E. MacLellan, Director
Diploma in Engineering Program

St. Francis Xavier University

Antigonish, Nova Scotia
F. Comeau, Chairman
Department of Engineering

Saint Mary's University

Halifax, Nova Scotia
A. Merabet, Director
Division of Engineering

University of Prince Edward Island

Charlottetown, Prince Edward Island
S. Champion, Chairman
Engineering Department

Each of the Associated Universities establishes its own entrance requirements. Dalhousie University recognizes all of the Associated Universities and ensures proper standards of achievement by means of the Associated Universities Directors of Engineering Committee. The program at each Associated University contains courses fulfilling the minimum entrance requirements established by the Senate of Dalhousie University. Students who complete the applied science or engineering program at an Associated University may receive a Certificate or Diploma and are normally admitted to the programs in Chemical, Civil, Electrical, Environmental, Industrial, Materials, Mechanical, or Mineral Resource at Dalhousie without examination. Students should ensure that their course selection at the Associated Universities include the discipline specific courses relevant to their program of choice. Not all Associated Universities offer all discipline specific courses, and students should contact the office of the Associate Dean, Faculty of Engineering at the Sexton location, for details. Students who have completed equivalent university studies elsewhere may also be admitted subject to Dalhousie University Regulations.

Please refer to the Graduate and Professional Calendar for details of graduate programs offered by the Faculty of Engineering.

Academic Regulations

Students are reminded that the academic regulations stated in the calendar are abridged for reference. In addition to the Academic Regulations section of this calendar and the regulations stated below, the current Faculty of Engineering Working Rules also apply to all students.

Courses on Letters of Permission

The academic program for a student will normally contain a maximum of two courses on a letter of permission.

Course Grades

A student must achieve a grade of D or greater in each course of the curriculum and satisfy the regulations set out herein in order to graduate. Where Faculty regulations permit, a student who achieves a grade of FM in a required course may write a supplementary examination to attempt to raise the grade to D or greater. If the grade is not raised to at least D by means of a supplementary examination or if a supplementary examination is not permitted, the student must repeat the course. See also Supplementals.

A student is permitted to repeat a failed mandatory course only once. In the case of a failed elective course, a student may choose either to repeat the course or to substitute another elective course in lieu of the failed course. In the case of a substituted course only one such substitution is allowed. A student will be academically dismissed if the grade achieved in the repeated mandatory course or the repeated elective course or the substituted course is less than D.

Readmission After Academic Dismissal

A student who has been academically dismissed only once from their program may apply to be readmitted to the same program after a minimum of eight months from the time of dismissal, or, such a student may apply to be admitted to a different engineering program starting immediately. Readmission may be granted by the Faculty on the recommendation of the Department concerned. A department may readmit a student who has been academically dismissed, subject to special academic conditions set by the department, which are based on an evaluation of the student's academic record. See also Academic Dismissal.

Scholarships

Only those students who are registered for a full load of courses as measured by the curriculum of the program concerned will be eligible for scholarships and awards in the Faculty of Engineering.

Supplementary Examinations

Supplementary examinations may be offered to students in order (1) to raise a course grade to at least D, (2) to raise a term GPA to at least C. In the case of raising the term GPA, the supplementary examination will be offered in a course with a grade lower than C. A student who is on Academic Dismissal is not eligible to write a supplementary examination.

Only one supplementary examination will be permitted per session. It must be written on the first scheduled date for writing supplementaries for that student's particular course and cannot be postponed or carried forward to a later session.

Supplementary examinations will normally be held in late August prior to the fall term, early January in the winter term and early May in the summer term.

Supplementary examinations will not necessarily be available for all courses. In addition, the minimum reported final mark required to write a supplementary

examination is FM. The Faculty will determine the courses in which supplementary examinations are not available and a list of those courses will be published early in the term.

The course mark resulting from a supplementary examination will replace the original course mark for all purposes.

When a supplementary examination is offered, the mark obtained on the supplementary examination will normally replace the final examination mark in calculating the course grade.

Repeating Students

If changes are made in the curriculum, repeating students will be required to satisfy the new curriculum.

Auditing a Course

See definition of “audit student”.

Students who are registered for a degree in the Faculty must have the approval of the Faculty to audit a course. Such approval can be obtained by submitting a written request to the Dean, who will refer the matter to the Faculty for a decision.

Students who are not registering for a degree in the Faculty must obtain the approval of the Department to audit a course.

Medical Notes for Final Examinations

Students who miss final examinations for medical reasons must submit medical notes to the Undergraduate Studies Office for consideration by the Associate Dean of Engineering. The medical note is verified and the professor advised if they may submit the grade of ILL before arrangements for special examinations or rewrites may be made. Meanwhile, the student will be given the grade earned in the course, minus the value of the missed examination. A detailed description of the content of the medical note is described in Article 16.8 Special Arrangements for Examinations, Tests and Assignments (see Academic Regulations section of this calendar).

Fees

Information pertaining to fees and expenses is given in the “Fees” section.

Financial Assistance

Information pertaining to Financial Assistance is given in the “Awards and Financial Aid” section.

Bachelor of Engineering Introduction

The engineering program is designed for students who have completed senior matriculation (Nova Scotia Grade XII) including mathematics, physics, and chemistry, and rank well in their course. Students may be admitted with advanced placement.

At Dalhousie, students benefit from our unique approach to undergraduate engineering education. Renowned for innovation in education, the unique undergraduate engineering curricula at Dalhousie University provide a sound basis in Mathematics and pure Science and in Engineering Science and Design, that are a foundation for success in any engineering career. A substantial part of the work of the first and second years is common to all programs. The content of many of these courses will change very little over the course of an engineer’s career; they will become a sound basis of life-long learning.

The Faculty of Engineering has five engineering departments and one service department, the Department of Engineering Mathematics and Internetworking. Civil and Resource Engineering administers degree programs in the disciplines of Civil and Mineral Resource Engineering. The Department of Process Engineering and Applied Science administers degree programs in the disciplines of Environmental, Chemical, and Materials. The remaining departments are Electrical, Industrial and Mechanical Engineering.

At the end of Year 1, students apply for discipline placement indicating the order of their preferences. The Faculty of Engineering will inform students who have met

the criteria of promotion from Year 1 to Year 2 of their conditional placement in one of the accredited programs. The curriculum for each of the basic programs combines required 'core' subjects essential to the field, and 'elective' subjects permitting considerable diversity in individual programs of study. An important part of the curriculum is a series of Complementary Studies courses. The curriculum for the first two years of Engineering at Dalhousie is indicated below. **Students should refer to the appropriate departmental chapter of the calendar once a field of specialization has been determined for subsequent years.**

Admission to an Engineering Discipline

A student must apply to be admitted into one of the engineering disciplines. Application must be made by April 30 of any year, for conditional acceptance into year two of a specified engineering program.

Every engineering discipline has a defined maximum enrollment; therefore places are assigned on a competitive basis. The criterion for this competition is the average grade over all credits completed to date in the core curriculum of the Diploma of Engineering.

The procedure is as follows:

1. By April 30, each student must specify ordered preferences for five engineering disciplines. The application is for conditional acceptance into year two of an engineering discipline.
2. Any student who has completed all of the entry requirements for an engineering discipline, with a GPA of 3.30 or better, will be guaranteed a place in that engineering discipline.
3. In a single competition, students with a GPA greater than or equal to 2.00 and less than 3.30 will be assigned conditional places (year two) in engineering disciplines, proceeding in strict order of GPA, subject to discipline capacities.
4. Any student with a GPA of less than 2.00 will not be admitted to a discipline.

Humanities Electives

Some disciplines of engineering require a student to do one or more humanities electives. In such a case, the definition of a humanities elective shall be as follows:

Humanities would normally be in the Faculty of Arts and Social Sciences and may not include significant science, technical or mathematics content, nor may they include economics or language acquisition. Subject areas in which there may be suitable courses include: Arabic, Bioethics, Canadian Studies, Chinese, Classics, Contemporary Studies, Creative Writing, Early Modern Studies, English, European Studies, French, Gender and Women's Studies, German, History of Science and Technology, History, International Development Studies, Italian, Journalism, King's Foundation Year Program, Law, Leisure Studies, Music, Philosophy, Political Science, Religious Studies, Russian Studies, Social Work, Sociology and Social Anthropology, Spanish and Latin American Studies, Sustainability, Theatre.

BSc/BEng

Students who meet the admission requirements for the Bachelor of Science program and the Bachelor of Engineering program are eligible to select this concurrent degree option. Students wishing specific advice should consult the Assistant Dean, Faculty of Science and the Associate Dean, Faculty of Engineering. Students accepted will complete the 90 credit hours BSc and the first two years of engineering studies leading to the Diploma in Engineering concurrently in a period of three calendar years. At the end of the three year period, both the degree and the diploma will be awarded to successful candidates. This opportunity should appeal to students with career objectives in multi-disciplinary fields such as Biomedical Engineering, Environmental Science, or Materials Science (among others). It is thus possible to complete the requirements for the Bachelor of Science and Bachelor of Engineering degrees concurrently in a time period of five years in total (or up to six years for Co-op programs).

BA/BEng

Students wishing to do so may complete the 90 credit hours BA degree program and the first two years of engineering studies leading to the Diploma in Engineering concurrently in a period of three calendar years. At the end of the three year period, both the degree and the diploma will be awarded to successful candidates. It is thus possible to complete the requirements for the Bachelor of Engineering and the Bachelor of Arts degrees concurrently in a time period of five years in total (or up to six years for Co-op programs).

Courses in the fourth and fifth years are those required to finish the Bachelor of Engineering degree.

Diploma of Engineering

Students who have successfully completed the academic study program in the first four terms in any of the disciplines may be eligible to apply for the Diploma of Engineering. This means a student must have a minimum GPA of 2.0, and have completed, with a minimum grade of D, the required courses as specified in the discipline curriculum.

Curricula for Terms 1 - 4

Year 1—Term 1 Fall

- ENGI 1103 Engineering Design and Graphics I
- CPST 1103 Technical Communications I
- MATH 1280 Engineering Mathematics I
- ENGM 1081 Computer Methods
- CHEM 1021 Engineering Chemistry I
- PHYC 1190 Introduction to Physics I

Year 1—Term 2 Winter

- ENGI 1203 Mechanics I: Statics and Dynamics
- CPST 1203 Technical Communications II
- MATH 1290 Engineering Mathematics II
- ENGM 1041 Applied Linear Algebra
- CHEM 1022 Engineering Chemistry II
- PHYC 1290 Introduction to Physics II

Year 2—Term 3 Fall

- ENGM 2101 Applied Vector Calculus
- ENGM 2032 Probability and Statistics
- ECED 2000 Electric Circuits
- ENGI 2102 Thermo-Fluid Engineering I
- A three credit hour writing course
- IENG 2005 Engineering Economics

Year 2—Term 4 Winter

- ENGI 2203 Engineering Design II
- HSTC 1801 History of Engineering II
- ENGM 2022 Applied Differential Equations
- Three discipline-specific electives

Discipline-Specific Electives

Chemical Engineering

- PEAS 2201 Fundamentals of Process Engineering
- PEAS 2202 Fundamentals of Environmental Engineering
- BIOL 1030 Biology for Engineers

Civil Engineering

- ENGI 2204 Mechanics of Materials
- MINE 2200 Introductory Geology for Engineers
- ENGI 2103 Thermo-Fluid Engineering II

Electrical Engineering

- ECED 2001 Circuit Analysis
- ECED 2200 Digital Circuits
- BIOL 1030 Biology for Engineers

Environmental Engineering

- PEAS 2201 Fundamentals of Process Engineering
- PEAS 2202 Fundamentals of Environmental Engineering
- ENGI 2204 Mechanics of Materials

Industrial Engineering

Three electives as follows.

- Any one or both of:
 - MINE 2200 Geology for Engineers
 - BIOL 1030 Biology for Engineers
- Up to two electives from the following:
 - ECED 2001 Circuit Analysis
 - ECED 2200 Digital Circuits
 - PEAS 2201 Fundamentals of Process Engineering
 - PEAS 2202 Fundamentals of Environmental Engineering
 - ENGI 2204 Mechanics of Materials
 - ENGI 2103 Thermo-Fluid Engineering II

Materials Engineering

- PEAS 2201 Fundamentals of Process Engineering
- PEAS 2202 Fundamentals of Environmental Engineering
- ENGI 2204 Mechanics of Materials

Mechanical Engineering

- ENGI 2400 Mechanics II: Dynamics
- ENGI 2103 Thermo-Fluid Engineering II
- ENGI 2204 Mechanics of Materials

Mineral Resource Engineering

- MINE 2200 Introductory Geology for Engineers
- A humanities elective
- ENGI 2204 Mechanics of Materials

The elective choices are summarized in the table below.

	Discipline-Specific Electives	Environmental	Chemical	Civil	Electrical	Industrial	Mechanical	Materials	Mineral Resource
ECED 2001	Circuit Analysis				1	**			**
ECED 2200	Digital Circuits				1	**			**
PEAS 2201	Fundamentals of Process Engineering	1	1			**		1	**
PEAS 2202	Fundamentals of Environmental Engineering	1	1			**		1	**
BIOL 1030	Biology for Engineers		1		1	*			**
MINE 2200	Geology for Engineers			1		*			1
	A humanities elective								1
ENGI 2103	Thermo-Fluid Engineering II			1		**	1		**
ENGI 2204	Mechanics of Materials	1		1			1	1	1

* any one or both

** up to two

Engineering Co-op Program

The Faculty of Engineering offers a Bachelor of Engineering Co-operative Education program (BEng Co-op) that allows students to alternate career focused work terms with study terms and receive a Co-op degree designation upon graduation. Co-op enables students to apply what they learn in class to real-world work situations and then apply what they learn at work to their classroom studies, thereby enriching their learning. It also helps students to learn more about their career options by test-driving different work environments before they graduate. Graduation from this program requires satisfactory performance in both areas. The schedule of study and work terms varies according to the discipline, details of which are outlined below.

BEng Co-op is a selective program. Students interested in participating must apply, via the S.I.T.E. Co-op (<http://www.dal.ca/faculty/site.html>) by December 15th for the following programs: Chemical, Environmental, Materials and Mechanical, and by May 15th for Civil, Electrical, Industrial and Mineral Resource.

The Study and Work Schedule

The co-operative system requires students to alternate periods of study with periods of university approved, full-time, paid employment. The period of employment is called a work term and is normally four months (16 weeks) in length. Some programs combine two or more four-month work terms. Work terms have academic requirements that must be completed in addition to the requirements of the employer.

Each discipline has a specific work and study term schedule which students are required to follow (see the study and work sequence chart below). Work terms do not

begin until third year of the program. All programs end on an academic term rather than a work term to allow for the formal integration of workplace and classroom learning.

Study and Work Sequences

Discipline	Fall	Winter	Summer	Fall	Winter	Summer	Fall	Winter
Electrical	Study	Work	Study	Work	Study	Work	Study	
Industrial	Study	Work	Study	Work	Study	Work	Study	Study
Civil and Mineral Resource	Study	Study	Work	Work	Off	Work	Study	Study
Chemical, Environmental, Materials, Mechanical	Work	Study	Work	Study	Work	Work	Study	Study

See S.I.T.E. for a full description of the Co-op Program. Further details can be obtained from the Department (<http://www.dal.ca/faculty.site.html>).

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Courses for First 2 Years

Standard Courses for first 2 years of Study:

ECED 2000.03 Electric Circuits
 ECED 2001.03 Circuit Analysis
 ECED 2200.03 Digital Circuits
 ENGI 1101.045 Engineering Design I
 ENGI 1202.045 Mechanics of Materials
 ENGI 2102.03 Thermo-Fluid Engineering I
 ENGI 2103.03 Thermo-Fluid Engineering II
 ENGI 2203.03 Engineering Design II
 ENGI 2400.03 Mechanics II
 ENGM 1041.03 Applied Linear Algebra
 ENGM 1081.03 Computer Programming
 ENGM 2032.03 Applied Probability and Statistics
 ENGM 2101.03 Applied Vector Calculus
 IENG 2005.03 Engineering Economics
 PEAS 2201.03 Fundamentals of Process Engineering
 PEAS 2202.03 Fundamentals of Environmental Engineering
 PEAS 2203.03 Organic Chemistry for Process Engineers

CPST Series: Complementary Studies Courses

CPST 3030.03 Engineering in Society II

Course Descriptions

ENGI 1103 Engineering Design I

CREDIT HOURS: 3

The objective of the class is to provide students with conceptual design experience, team work experience, computer drafting experience and to develop skills in engineering free-hand sketching, 3-D visualization, and reading/drafting of engineering drawings. An integral part of the class is the Design Project, focused on design as the essence of engineering, and the process of design and reporting.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
COREQUISITE: CPST 1103.03
EXCLUSIONS: ENGI 1101.03

ENGI 1203 Mechanics of Materials

CREDIT HOURS: 3

This course teaches the concept of stress, strain and deformation of a solid body subjected to static forces. Topics considered include; stresses and strains under axial, bending, torsional and combined loadings, transformation relations for stresses and strains, Mohr's circle for stress and strain, strain gauges, mechanical properties of materials and failure theories. An individual design project is a major component of this course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

COREQUISITE: CPST 1203.03

PREREQUISITE: PHYC 1190.03, MATH 1280.03

EXCLUSIONS: ENGI 1202.03

ENGI 2102 Thermo-Fluid Engineering I

CREDIT HOURS: 3

This course introduces the engineering sciences of thermodynamics and fluid mechanics in an integrated manner. A unified approach to energy transfer in thermal and mechanical systems is presented. The course covers basic properties of fluids, fluid statics, simplified analyses of fluid motion, the basic laws of thermodynamics, and the application of control volume techniques to engineering problems. Power systems are introduced through a study of the Rankine cycle.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGI 1203.03, CPST 1203.03 OR ENGI 1202..03; CHEM 1022.03; MATH 1290.03, PHYC 1290.03

ENGI 2103 Thermo-Fluid Engineering II

CREDIT HOURS: 3

This course builds on the fluid mechanics introduction presented in Thermo-fluids I to present engineering concepts of fluid mechanics and energy. The course covers dimensional analysis, completes fluid statics from Thermo-Fluids I, puts a large emphasis on the notion of control volume needed to properly solve thermal fluid problems using the conservation laws presented as integral relations, treats flow in ducts putting emphasis on head losses (friction and minor) and presents a practical theory of turbomachinery. The different concepts studied during the course are brought together at the end in a series of design examples and design problems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGI 2102.03

ENGI 2203 Engineering Design II

CREDIT HOURS: 3

This class provides a project-based exercise in the engineering design process. Students work in teams and as individuals on defined projects which apply knowledge and skills in all areas of engineering studied in semesters 1 to 3. The projects encompass the design method, conceptual design, design selection, detailed analysis, CAD and simulation tools, engineering drawings, safety and preparation of professional technical reports. Discipline-specific projects are assigned. All projects involve evaluation/testing of student designs, depending on the discipline section either through (i) construction and testing of a physical prototype or (ii) development and testing of an engineering simulation model.

PREREQUISITE: ENGI 1103.03, ENGI 1203.03, ENGM 1081.03, CPST 1103.015, CPST 1203.015

ENGI 2400 Mechanics II

CREDIT HOURS: 3

This second class in Engineering Mechanics considers the kinematics and kinetics of a single particle and a single rigid body. The class builds on the concepts introduced in ENGI 1400.03 (Mechanics I). Both vector and scalar methods are used. Topics include kinematics of a particle, kinetics of a particle, kinematics of a rigid body in plane motion, and planar kinetics of a rigid body.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGM 1081.03; MATH 1290.03; PHYC 1190.03,1290.03

ENGI 8890 Co-op Orientation and Job Competition Preparation

CREDIT HOURS: 0

This on-line course introduced aspects of career development including, self-assessment, resume and cover letter writing, interviewing skills and job search techniques. It also provides students with an overview of the graduate attributes, the Pre-Grad EIT work credit, and co-op program policies and procedures. This class is available every term and is a pre-requisite for all engineering co-op classes. It must be completed one term prior to the first work term. The grade will be Pass/Fail.

Chemical Engineering

Location:

Building/Room: Sexton House

Street Address 1: 1360 Barrington Street

Street Address 2: Room E102

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3953

Introduction

The Chemical Engineering program prepares students for careers in the chemical and process industries and in a variety of related fields. These encompass, among others, the traditional areas of environmental control, plastics and polymers, pulp and paper, instrumentation and process control, petrochemicals, petroleum and natural gas processing, and energy conversion and utilization, as well as the growing fields of biotechnology, food processing, composite materials, corrosion and protective coatings, and manufacture of microelectronic components.

The responsibilities assumed by Chemical Engineers include a wide range of activities such as research and development of novel products and processes, the design, development and operation of process plants, and management of technical operations and sales.

The curriculum is designed to provide the student with a broad background in the underlying sciences of Chemistry, Physics and Mathematics. This is then combined with a detailed knowledge of engineering principles and practice, along with a good appreciation of social and economic factors. Thorough understanding of the principles is accomplished through lecture, tutorial and laboratory activities, and extensive use is made of the departmental computing facilities. Laboratory involvement is considered an important component of the students' education. Emphasis in the laboratory is placed on team work and on the development of problem-identification and problem-solving skills. The Department stresses the preparation of students for independent work and the development of interpersonal skills necessary for professional engineers. Elective courses provide the student with the opportunity to obtain additional training in one of the following areas: computers and process control, biotechnology, environment, energy resources and utilization, and research and development.

In the later academic terms, students have an opportunity to work under conditions similar to those encountered in consulting and engineering organizations, particularly in the computer-aided-design and process design courses.

Research opportunities leading to the Master's and Doctorate degrees are offered in a wide range of topics within the Department as well as in conjunction with other departments and a number of research centres on the campus. Detailed information regarding the graduate program can be obtained from the Department.

Students have the option of joining either the co-op or non co-op undergraduate programs.

Curriculum and course descriptions

Refer to sections IIB and IIIB, Chemical Engineering Programs in the Process Engineering and Applied Science section.

Co-operative program and schedule

Refer to section Engineering Co-op Program, in the Engineering section.

Admissions

Admission requirements are those specified by the Faculty of Engineering.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head, Process Engineering and Applied Science

Kuzak, S. G., BEng, MEng (McGill), PhD (TUNS), PEng

Undergraduate Program Co-ordinator

Ghanem, A., BScEng (UNB), PhD (Cornell), PEng

Civil and Resource Engineering

Location:

Building/Room: "D" Building

Street Address 1: 1360 Barrington Street

Street Address 2: Room D215

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3960

Fax: (902) 494-3108

Website: civilandresource.engineering.dal.ca

Email Address: care@dal.ca

Introduction

The Department of Civil and Resource Engineering consists of the Civil Engineering Program and the Mineral Resource Engineering Program. The Department currently offers two accredited professional degree programs:

BEng in Civil Engineering, co-op and non co-op programs;

BEng in Mineral Resource Engineering, co-op and non co-op programs.

For additional information on these programs and the nature of the engineering studies involved, the reader is referred to individual program listings in the Faculty of Engineering section of this calendar.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head

Lake, C., BEng (TUNS), PhD (UWO), PEng

Professors

Ali, N. A., BSc (Baghdad), MSc, PhD (N Carolina State), PEng (Undergraduate Program Coordinator)

Corbin, S. F., BEng, MAsC (TUNS), PhD (McMaster), PEng

Gagnon, G. A., BScE (Guelph), PhD (Waterloo), PEng

Liu, L., BSc (Nankai), MSc, (Peking), PhD (Regina)

Liu, Y., BScE, MScE (Xi'an), PhD (UNB), PEng

Newhook, J. P., BEng, MAsC, PhD (TUNS), PEng

Satish, M. G., BSc, BECivEng (My.), MEng, PhD (Concordia), PEng

Taheri, F., BEng, MAsC, PhD (TUNS), PEng

Zou, D. H., BSc (CUMT, China), PhD (UBC), PEng

Associate Professors

Corkum, A., BEng (TUNS), MEng, PhD (Alberta), PEng

El Nagggar, H., MEng, PhD (UWO), PEng, Graduate Coordinator

Garagash, D., BSc (Moscow), MS, PhD (Minnesota)

Hansen, D., BScE (Guelph), MScE (UNB), PhD (Ottawa), PEng (Co-op Advisor)

Hill, J. D., BSc, MSc (Acadia), PhD (UWO)

Jones, D., Dip Eng (MUN), BEng (TUNS), MBA (Western), PhD (TUNS), PEng

Lake, C., BEng (TUNS), PhD (UWO), PEng

Walsh, M. E., BEng (TUNS), MEng (McGill), PhD (Dalhousie), PEng

Assistant Professors

Branscombe, E., BASc, MSc (Queen's)

Thorburn, J., BSc (UNB), MSc (Alberta), PhD (Dalhousie), PEng

Adjunct Professors

Barnes, C., Dip Eng, BSc (Dalhousie), BEng (TUNS), MSc, PhD (Dalhousie), PEng

El-Jabi, N., BASc (Sherbrooke), MSc, PhD (UMontreal, Polytechnique), PEng

Forgeron, D., BEng (TUNS), PhD (Dalhousie), PEng

Forrester, D. J., BSc, PhD (Nottingham), PEng

Kasemets, J. T., BEng (RMC), MEng (Alberta), MBA (Ottawa)

Kenny, S., BEng, MEng (MUN), PhD (Dalhousie)

Koko, T., BSc (Ife), MEng (Nigeria), PhD (UBC)

Pegg, N., BSc (Guelph), MSc (UBC), PhD (TUNS), PEng

Rand, J., CAS (Acadia), BEng, PhD (Dalhousie)

Professor Emeritus

Jaeger, L. G., BA, MA (Cantab), PhD, DSc (London), DEng (Carleton, MUN, TUNS)(hc), PEng

Civil Engineering

Years 1 and 2 follow the program that is outlined in the 'Faculty of Engineering' section of this calendar. The two Options, Earth and Environment and Infrastructure, contain a strong common core in those aspects of engineering considered to be crucial for all civil engineering baccalaureates, irrespective of specialization. Terms 5 and 6 are the same for both Options. In Terms 7 and 8 students will have the opportunity to select some courses from a list of technical electives based on their specific interests in focus areas of Civil Engineering.

Non Co-op Program:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 5	Study Term 6	FREE
4	Study Term 7	Study Term 8	

Co-op Program:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 5	Study Term 6	Work Term 1
4	Work Term 2	FREE	Work Term 3
5	Study Term 7	Study Term 8	

Infrastructure Option

Year 3 Term 5 (Fall)

- CIVL 3101.03 Soil Mechanics
- CIVL 3300.03 Hydraulics
- CIVL 3505.03 Structural Systems I-Form and Analysis
- CIVL 3705.03 Mechanics of Structural Materials & Components
- CIVL 3725.03 Construction Materials & Methods
- CIVL 3830.03 Surveying & Applied Geomatics

Year 3 Term 6 (Winter)

- CIVL 3200.03 Transportation Engineering
- CIVL 3310.03 Engineering Hydrology
- CIVL 3451.03 Water Quality & Treatment
- CIVL 3515.03 Structural Systems II-Loads & Behaviour
- CIVL 3740.03 Computations & Systems Modelling
- IENG 2005.03 Engineering Economics

Year 4 Term 7 (Fall)

- CIVL 4111.03 Geotechnical Engineering
- CIVL 4515.03 Reinforced Concrete Design
- CIVL 4525.03 Design of Steel Structures
- CIVL 4801.005 Senior Project I

*Technical Electives (choose two from the list below)

Year 4 Term 8 (Winter)

- CIVL 4710.03 Construction Planning
- CIVL 4802.025 Senior Project II
- CPST 3030.03 Engineering in Society II

*Technical Electives (choose three from the list below)

*Infrastructure Option Technical Electives:

Total number of technical electives must equal five.

Total of five (minimum of four) electives may be chosen from the following courses (schedule permitting):

- CIVL 4200.03 Transportation Systems
- CIVL 4250.03 Highway Engineering
- CIVL 4350.03 Hydraulic Engineering
- CIVL 4410.03 Engineering Hydrogeology
- CIVL 4431.03 Water Distribution & Sewerage Systems
- CIVL 4440.03 Water & Wastewater Treatment
- CIVL 4460.03 Solid Waste and Landfill Engineering
- CIVL 4541.03 Applications of Finite Element Method
- CIVL 4560.03 Special Topics in Structural Systems
- ENGM 4675.03 Risk Assessment Management
- MINE 3620.03 Petroleum Engineering

Total of one elective may be chosen from the following courses (schedule permitting):

- ENVE 3412.03 Energy and Environment
- ENVE 4421.03 Biogeochemistry & Bioremediation
- ENVE 4651.03 Solar Energy Utilization
- EARTH 3500.03 Geoscience Info Management
- IENG 4500.03 Operation Research
- IENG 4547.03 Company Operations and Management
- IENG 4558.03 Project Management
- MINE 3520.03 Introductory Mining Engineering
- MINE 3530.03 Mineral Processing
- MINE 4710.03 Mine Excavation Systems
- MINE 4812.03 Mine Production Engineering
- PLAN 1001.03 Intro to Community Design I

Other courses require Department approval.

NOTES:

1. One or more graduate courses may be included as technical electives in Term 8; however, permission of the instructor and department is required in order to register for such courses. Students require a 3.30 cumulative GPA to take a graduate level course. The Graduate Studies Pass Standards will be applied to any student taking a graduate level course.

2. Not all of the technical elective courses will be offered each year.

3. Many courses have pre-requisites (see section IV following). If it is felt, however, that an equivalent course of study has been taken, a waiver of the pre-requisite requirement can be sought from the instructor.

4. Some courses have co-requisites. A co-requisite can also be completed before the course in question (instead of being done concurrently).

Earth and Environment Option

Year 3 Term 5 (Fall)

- CIVL 3101.03 Soil Mechanics
- CIVL 3300.03 Hydraulics
- CIVL 3505.03 Structural Systems I-Form and Analysis
- CIVL 3705.03 Mechanics of Structural Materials & Components
- CIVL 3725.03 Construction Materials & Methods
- CIVL 3830.03 Surveying & Applied Geomatics

Year 3 Term 6 (Winter)

- CIVL 3200.03 Transportation Engineering
- CIVL 3310.03 Engineering Hydrology
- CIVL 3451.03 Water Quality & Treatment
- CIVL 3515.03 Structural Systems II-Loads & Behaviour
- CIVL 3740.03 Computations & Systems Modelling
- IENG 2005.03 Engineering Economics

Year 4 Term 7 (Fall)

- CIVL 4440.03 Water & Wastewater Treatment
- CIVL 4801.005 Senior Project I
- ENVE 4772.03 Environmental Assessment & Management

*Technical Electives (choose three from the list below)

Year 4, Term 8 (Winter)

- CIVL 4410.03 Engineering Hydrogeology
- CIVL 4802.025 Senior Project II
- CPST 3030.03 Engineering in Society II

* Technical Electives (choose three from the list below)

*Earth and Environment Option Technical Electives:

Total number of technical electives must equal six.

Total of six (minimum of five) electives may be chosen from the following courses (schedule permitting):

- CIVL 4200.03 Transportation Systems
- CIVL 4359.03 Form and Process in Alluvial Channels
- CIVL 4410.03 Engineering Hydrogeology
- CIVL 4541.03 Applications of Finite Element Method
- CIVL 4250.03 Highway Engineering
- CIVL 4350.03 Hydraulic Engineering
- CIVL 4431.03 Water Distribution & Sewerage Systems
- CIVL 4440.03 Water & Wastewater Treatment
- CIVL 4460.03 Solid Waste and Landfill Engineering
- CIVL 4111.03 Geotechnical Engineering
- ENGM 4675.03 Risk Assessment Management
- MINE 3620.03 Petroleum Engineering

Total of one elective may be chosen from the following courses (schedule permitting):

- ARCH 3104.03 Foundations in Architectural History and Theory
- ARCH 3105.03 Architectural History and Theory - 20th Century
- ENVE 3412.03 Energy and Environment
- ENVE 4651.03 Solar Energy Utilization
- EARTH 3500.03 Geoscience Information Management
- IENG 4500.03 Operation Research
- IENG 4547.03 Company Operations and Management

- IENG 4558.08 Project Management
- MINE 3520.03 Introductory Mining Engineering
- MINE 3530.03 Mineral Processing
- MINE 4710.03 Mine Excavation Systems
- MINE 4812.03 Mine Production Engineering
- PLAN 1001.03 Introduction to Community Design 1

Other courses require Department approval.

NOTES:

1. One or more graduate courses may be included as technical electives in Term 8; however, permission of the instructor and department is required in order to register for such courses.
2. Not all of the technical elective courses will be offered each year.
3. Many courses have pre-requisites (see section IV following). If it is felt, however, that an equivalent course of study has been taken, a waiver of the pre-requisite requirement can be sought from the instructor.
4. Some courses have co-requisites. A co-requisite can also be completed before the course in question (instead of being done concurrently).

Mineral Resource Engineering

Years 1 and 2 follow the common program outlined in the Engineering section of this calendar.

Non Co-op Program:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 5	Study Term 6	FREE
4	Study Term 7	Study Term 8	FREE

Co-op Program:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 5	Study Term 6	Work Term 1
4	Work Term 2	FREE	Work Term 3
5	Study Term 7	Study Term 8	

Year 3 Term 5 (Fall)

- MINE 3520.03 Introductory Mining Engineering
- MINE 3530.03 Mineral Processing
- MINE 3605.03 Mining Geology I
- CIVL 3101.03 Soil Mechanics
- CIVL 3830.03 Surveying & Applied Geomatics
- MINE 3620.03 Petroleum Eng.

Year 3 Term 6 (Winter)

- MINE 3600.03 Equipment Selection & Materials Handling
- MINE 3612.03 Rock Penetration & Fragmentation
- MINE 4706.03 Mining Geology II
- MINE 4711.03 Mine Vent & Environment
- MINE 3611.03 Rock Mechanics
- CIVL 3740.03 Computations and Systems Modeling

Year 4 Term 7 (Fall)

- IENG 4500.03 Operations Res for Systems Eng
- MINE 4750.03 Senior Design Project I
- MINE 4815.03 Mining and the Env.
- MINE 4835.03 Mineral Economics
- Technical elective I
- Technical elective II

Year 4 Term 8 (Winter)

- MINE 4850.03 Senior Design Project II
- CPST 3030.03 Engineering in Society II
- Technical elective III
- Technical elective IV
- MINE 4710.03 Mine Excavation Systems

* Minimum 2 of the 4 Technical electives must be from Mineral Resource Engineering (MINE xxxx)

Technical Electives:

- MINE 4801.03 Advanced Topics in Rock Mechanics
- MINE 4820.03 Surface Mine Slope Stability
- MINE 4821.03 Petroleum Reservoir Eng.
- ENVE 4772.03 Environmental Assessment Management
- CIVL 4111.03 Geotechnical Engineering
- CIVL 4410.03 Engineering Hydrogeology
- CIVL 4710.03 Construction Planning
- IENG 4558.03 Project Management and Control
- IENG 4574.03 Decision and Risk Analysis

Other courses require Department approval.

NOTES:

1. One or more graduate courses may be included as technical electives in Term 8; however, permission of the instructor and department is required in order to register for such courses. Students require a 3.30 CGPA to take a graduate level course. The Graduate Studies Pass Standards will be applied to any student taking a Graduate level course.
2. Not all of the technical elective courses will be offered each year.
3. Many courses have pre-requisites (see section IV following). If it is felt, however, that an equivalent course of study has been taken, a waiver of the pre-requisite requirement can be sought from the instructor.
4. Some courses have co-requisites. A co-requisite can also be completed before the course in question (instead of being done concurrently).

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions - Civil Engineering Series

CIVL 3101 Soil Mechanics I

CREDIT HOURS: 3

This course is concerned with the physical and mechanical properties of soils. It includes topics of soil chemistry and soil fabric, soil classification, compaction, hydraulic conductivity, one-dimensional and two-dimensional seepage, soil compressibility, time dependant deformation of soils, and shear strength behaviour of soils. Laboratory sessions involve experimentally evaluating the engineering properties of several different soil types and the application of these results to engineering problems.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: MINE 2200.03, ENGI 1202.045

CIVL 3200 Transportation Engineering

CREDIT HOURS: 3

This course commences with an introduction to Transportation Engineering in the context of planning, design and operations of urban and rural systems. The course also provides an introduction to route location with special emphasis on Canadian standards and specifications. It also includes detailed study of road design elements, vehicle motion, vehicle/pavement interaction, and principles of roadway capacity.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3830.03

CIVL 3300 Hydraulics

CREDIT HOURS: 3

Fluid mechanics principles are applied to practical hydraulic problems involving flow in closed conduits and in open channels. Topics in pipe flow include losses in pipes, pipes in series and parallel, and network analysis. Topics in open channel flow deal with classification of flows, open channels and their properties, energy and momentum principles, uniform flow, design of erodible and non-erodible channels, and gradually varied flow. These aspects are explained in lectures and validated by laboratory measurements and demonstrations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03 and ENGI 2103.03

CIVL 3310 Engineering Hydrology

CREDIT HOURS: 3

The emphasis in this course is on quantitatively describing the physical processes in the hydrologic cycle. Such processes include precipitation, evaporation, infiltration, groundwater movement, surface runoff, as well as lake/reservoir routing effects. A working rainfall-runoff model is developed, and by convolution is used to produce a design hydrograph. The size of a detention ponds, statistical hydrology, and snow hydrology are also discussed.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGI 2102.03, ENGM 2022.03, ENGM 2032.03, CIVL 3300.03, MINE 2200.03

CIVL 3451 Water Quality and Treatment

CREDIT HOURS: 3

The course expands on the student's previous experience in aqueous chemistry and fluid mechanics. The course provides an Engineering perspective on: (i) water quality analysis, specifically on the physical, chemical and biological characteristics of water; (ii) significance and interpretation of water quality properties; (iii) modeling water quality in natural and engineered systems; and (iv) water treatment systems at the introductory level.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 1021.03 and CHEM 1022.03, ENGI 2103.03

EXCLUSIONS: PEAS 2202

CIVL 3505 Structural Systems I: Form and Analysis

CREDIT HOURS: 3

This course begins with a review of the analysis of trusses and shear and moment in beams. Majority of the course covers the calculation of elastic deformations for statically determinate structures and various methods for analyzing statically indeterminate structures focusing on slope deflection method and moment distribution method. The application of matrix analysis in computer modeling using a typical commercially available structural analysis program will be introduced. Also the concept of influence lines for moving loads on statically determinate structures will be discussed.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03, ENGI 1202.045

CIVL 3515 Structural Systems II: Loads and Behaviour

CREDIT HOURS: 3

The objective of the course is to provide students with a solid background in the fundamentals of structural design used for typical civil engineering structures such as trusses, building frames and floor systems. The background and application of the National Building Code of Canada provisions for structural design will be emphasized. The student will be able to size basic tension, compression and flexural elements using steel, concrete and timber, for representative structures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3505.03, CIVL 3705.03, CIVL 3725.03

CIVL 3705 Mechanics of Structural Materials and Components

CREDIT HOURS: 3

The content is focused on the application of the principles of the mechanics of solids in the design and analysis of structural materials and components. Building on engineering skills gained in the first two years, the class will examine general stress analysis, failure criteria, flexure, shear, torsion, compression buckling and plasticity as these aspects apply to structural components constructed of timber, steel, concrete and fibre-reinforced polymers.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03, ENGI 1202.045, ENGI 2400.04, ENGM 1041.03, MATH 1280.03

CIVL 3725 Construction Materials and Methods

CREDIT HOURS: 3

The purpose of this course is to provide students with knowledge of residential and commercial building techniques and materials. In it, the properties and applications of common construction materials, components, and systems that relate to wood, steel, and concrete-frame structures are examined.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

CIVL 3740 Computations and Systems Modeling

CREDIT HOURS: 3

This course introduces the application of various computational methods for solving a range of practical problems in civil engineering. Basic numerical methods for solving algebraic equations, non-linear and eigen-value problems, as well as numerical differentiation and integration are introduced. Curve-fitting and non-linear regression techniques are presented. Computational tools such as MatLab, MathCad, Excel, and Mathematica are introduced and used to analyze structural stability, the behaviour of space-frames, dynamics, vibrations, and other topics of interest in infrastructure systems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2101.03, ENGM 1041.03

CIVL 3830 Surveying and Applied Geomatics

CREDIT HOURS: 3

An introduction to the principles, calculations and equipment used in surveying and geomatics is presented with focus on their applications to civil and mineral resource engineering. Topics include fundamentals of distance measurement and surveying, leveling, traverses, corrections, GPS and Total Station instruments, coordinate systems and geodetic reductions, Geographic Information Systems, and engineering applications of geomatics with particular focus on common civil engineering and mining construction activities. Laboratory exercises will cover the basics of surveying techniques, building up to an exercise in combining a measured GPS data set to a pre-existing GIS database for engineering design considerations of a facility.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: CIVL 0124 and CIVL 4830

CIVL 4100 Earth Slopes/Embankments

CREDIT HOURS: 3

The focus of this class is the practical application of soil mechanics theory to soil slope stability issues in civil and mining engineering. Methods for soil slope stability analysis of natural slopes, cuts, embankments and, earth and tailings dams are presented. The effects of porewater pressures, and earthquake loadings are considered, as well as stabilization methods for slopes. Seepage through small earth dams, together with measures to control seepage, is considered. The class is focused primarily on the mining environment; however, the concepts are also directly applicable to civil engineering practice. The major topics covered include: soil mechanics and seepage applied to slope stability, modes of slope instability, methods of slope stability evaluation, remediation of unstable slopes, and soil embankments and small dams (tailings).

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 3

PREREQUISITE: CIVL 3101.03

CIVL 4111 Geotechnical Engineering

CREDIT HOURS: 3

This course is concerned with the geotechnical aspects of temporary and permanent retaining walls for infrastructure or environmental works, deep and shallow foundations, soil-pipeline interaction, and design/analysis of natural cuts, embankments, and earth dams. The application of these design/analyses to particular infrastructure and environmental structures are emphasized in the laboratory sessions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3101.03

CIVL 4200 Transportation Systems

CREDIT HOURS: 3

This course covers urban transportation planning, transportation demand and supply, transportation management. The environmental impact of transportation systems such as noise and air pollution will be examined. Methods to measure, predict, and evaluate impact of transportation modes will be covered.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3200.03

CIVL 4250 Highway Engineering

CREDIT HOURS: 3

This course provides introduction to route location with special emphasis on Canadian standards and road design elements. It includes a surveying workshop. The purpose of workshop is to expose students to operation and application of surveying instrumentation. It includes topics of vertical and horizontal curves, roadway design elements and classification, alignment and cross section elements, drainage and earthwork operations, highways materials and pavement design.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 4200.03

CIVL 4350 Hydraulic Engineering

CREDIT HOURS: 3

This course deals with the application of hydraulics in civil engineering design. The topics include design of culvert systems, storage dams (gravity dams, arch dams, buttress dams, earth dams and rock-fill dams), overflow and chute spillways with emphasis on design of stilling basins. Hydraulic machinery (pumps and turbines) will be discussed with an emphasis on the selection a machine for a given application. Design of single port and multi-port outfall structures for effluent disposal in rivers and in oceans will also be discussed. Regular lectures and tutorial sessions will be supplemented with expert speakers from the industry and field trips.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CIVL 3300.03

CIVL 4359 Form and Process in Alluvial Channels

CREDIT HOURS: 3

This course will consider various aspects of fluvial geomorphology from a civil engineering point-of-view. This will include discussion of hydraulic resistance based on quantitative estimates of channel roughness, regime concepts for artificial and natural rivers, uses of boundary shear stress and unit stream power in bed-load estimations, the hydraulics and statistics of suspended sediment, numerical versus physical modelling, and a review of case histories of responses of rivers to human activity. The hydraulics of fish habitat assessment is also considered. The application of HEC RAS to a bridged brook is done as a group project.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3300.03 and CIVL 3310.03 (minimum), CIVL 4350.03 (preferable)

CROSS-LISTING: CIVL 6159.03

EXCLUSIONS: CIVL 6159.03

CIVL 4410 Engineering Hydrogeology

CREDIT HOURS: 3

This relatively quantitative introduction to hydrogeology beings with a review of key definitions and hydraulic principles pertaining to flow through porous media. This is followed by consideration of well hydraulics in the context of the evaluation and management of groundwater resources. The theory and application of numerical methods are discussed in relation to simple groundwater systems, and this is followed by discussion of the chemistry of both natural and contaminated systems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3300.03, CIVL 3310.03, CIVL 3101.03, and MINE 2200.03; ENGM 2022.03

CIVL 4431 Water Distribution and Sewerage Systems

CREDIT HOURS: 3

This design-oriented introduction to municipal engineering is concerned with the hydraulic and hydrologic basis for our water-related urban infrastructure. Specifically, the design of potable water distribution systems, wastewater collection systems, and storm water management systems is presented. The minimization of the environmental impacts associated with the construction of a subdivision is also presented, both qualitatively and quantitatively.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CIVL 3300.03, CIVL 3310.03

CIVL 4440 Water and Wastewater Treatment

CREDIT HOURS: 3

The focus of the course is on design of water treatment and municipal pollution control plants. Lectures and laboratory periods are on physical chemical and microbiological qualities of water and municipal wastewater. Lectures include various unit operations and unit processes of water and domestic wastewater treatment. Field visits to local and water and wastewater treatment plants are included.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3451.03 or PEAS 2202.03

CIVL 4460 Solid Waste & Landfill Engineering

CREDIT HOURS: 3

This course provides the students with an understanding of the types of solid waste generation, physical and chemical properties of solid waste, solid waste treatment and disposal alternatives, design and operation of a landfill (including landfill components and configuration, landfill siting, liner system, leachate control and treatment, and gas collection and control system).

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: CIVL 3451.03

PREREQUISITE: CIVL 3101.03

CIVL 4515 Reinforced Concrete Design

CREDIT HOURS: 3

This course will provide students with a basic understanding of the behaviour and analysis of reinforced concrete as a structural material, elementary skills and concepts necessary for designing a variety of common structural elements, and appropriate analysis techniques and code approximations. Current design code provisions related to flexure, shear and compression members will be reviewed leading to practical design examples for one-way floor systems, columns, footings, and cantilever retaining walls.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3515.03

CIVL 4525 Design of Steel Structures

CREDIT HOURS: 3

This introductory design course emphasizes the behaviour and design of steel members resisting tensile, compressive, and flexural loads and simple connections of these elements. Members subject to combined loading will also be studied. Upon course completion, the student will be able to design building elements to CSA-S16.1-01. Although most design examples will be based on framed buildings, many of the concepts apply equally to other types of structures; e.g. bridges, towers, and submarine hulls.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CIVL 3515.03

CIVL 4541 Application of Finite Element Method in Static & Dynamic Systems

CREDIT HOURS: 3

This course presents an introduction to the theory and application of the finite element method. The basic linear elasticity, principles of minimum work and energy methods will be used in developing the methodology. Students will gain practical experience, using a commercial software package, to treat a balance set of real-life two and three-dimensional stress deformation problem under static and dynamic loading systems that are of specific interest to structural engineers.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3505.03, CIVL 3705.03, CIVL 3740.03

CIVL 4560 Special Topics in Structural Systems

CREDIT HOURS: 3

Basic knowledge acquired from introductory design courses will be extended and synthesized in the analysis and design of aggregate systems including two-way concrete floor systems, pre-stressed concrete girders, and composite systems incorporating concrete and steel materials. Basic engineering concepts in the design of masonry structures will be introduced and extended to the design of masonry beams, columns, walls and building systems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: CIVL 4515.03

PREREQUISITE: CIVL 3515.03

CIVL 4710 Construction Planning

CREDIT HOURS: 3

This course deals with construction administration, bidding procedures, cost controls, planning and execution of civil Engineering construction projects. The course also covers planning and scheduling techniques such as CPM and PERT. The course presents basic methods of estimating construction costs, with applications to buildings, bridges, foundations, highways and earthworks.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CIVL 4801 Senior Project I

CREDIT HOURS: 1

This course develops the senior project requires for CIVL 4802. Topics include introduction to potential senior project topics elects, case studies of design projects by industry representatives, client meetings to discuss refine project scopes, project management of design projects, team building, and report writing and oral presentation requirements for various deliverables of CIVL 4801 and CIVL 4802. The deliverable for this course, a formal proposal, must be prepared to a professional standard of engineering practice. Students are also expected to formally present their proposal to the class and faculty.

CIVL 4802 Senior Project II

CREDIT HOURS: 2

The objective of this course is to provide experience in the application of engineering principles to the solution of specific problems in Civil Engineering. Under the supervision of a faculty member, students execute a project that may include laboratory and/or field experiments, design work, numerical simulations, technical communications on state-of-the-art technologies, or analysis of case histories. Students prepare a formal report according to faculty standards for report preparation and make an oral presentation of their project.

PREREQUISITE: CIVL 4801.005

Course Descriptions - Mineral Resource Engineering Series

MINE 2200 Introductory Geology for Engineers

CREDIT HOURS: 3

This course deals with the fundamental principles of geology. Topics include mineralogy, rock-forming processes, weathering, erosion, groundwater, glaciating, mass wasting, running water, deserts, shorelines, geologic structures, tectonism, and Earth's interior. The links between geology, engineering and the environment are explored through case studies. Laboratory exercises covering the identification and interpretation on minerals, rocks, landforms (using topographic maps and remote sensing images) and geologic map structures are an important part of the class.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

EXCLUSIONS: MINE 3500.03, EARTH 1080.03 and EARTH 1090.03

MINE 3520 Introductory Mining Engineering

CREDIT HOURS: 3

This course is an introduction to the mineral industry and mining engineering. Emphasis is placed on unit operations, equipment and surface and underground mining methods. Summaries of the national and global mineral industries, innovative technologies and practices, and the relationships between mining and mineral processing are included. A mandatory field trip is an integral part of the course to give students exposure to real life operations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 2200.03

MINE 3530 Mineral Processing

CREDIT HOURS: 3

This course is concerned with the principles of unit operations employed in the physical processing of minerals: examination of mineral characteristics on which mineral separation methods are based, liberation of minerals, crushing, grinding, screening and classification. Mineral separation methods include: gravity, dense medium, magnetic and high tension separations, radiometric sorting, flotation and selective flocculation. Laboratory tests, their interpretations, and assessment of separation performance are covered.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 2200.03

MINE 3600 Equipment Selection and Materials Handling

CREDIT HOURS: 3

This course deals with mining equipment, analysis of parameters influencing the performance of equipment, and equipment selection. Included are cost analysis and estimation, unit costs, compressed air and hydraulic power systems applications in mining, pump selection, materials handling systems in underground and surface mining operations, ore and waste pass systems, and storage bins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 3520

MINE 3605 Mining Geology I

CREDIT HOURS: 3

This course covers the topics of mineralogy, geologic structures, petrology of igneous, sedimentary and metamorphic rocks and tectonic processes. Emphasis is placed on the relationships between these topics and mining engineering. Laboratory exercises and assignments cover petrographic analysis, geologic maps and sections, stereographic projection and mineral stoichiometry.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 2200.03

MINE 3611 Rock Mechanics

CREDIT HOURS: 3

Concepts of mechanical behaviour and intact strength properties of rock masses are discussed. Classification systems and failure criteria for rocks are described. The principles of engineering design for underground and surface mine structures are covered. Stereographic projections and numerical methods are used to analyze surface and underground rock stability. Rock mechanics instrumentation is discussed. Laboratory sessions cover sample preparation and rock testing.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 3605.03

MINE 3612 Rock Penetration and Fragmentation

CREDIT HOURS: 3

This course presents the principles and theories of rock drilling and blasting in both underground and surface mining applications. It covers the properties of explosives and the principles for selection of explosives for different situations. The transportation methods, loading techniques and priming procedures for explosives are discussed. Current trends in drilling and blasting practices are considered as well as controlled blasting and blast monitoring methods. State-of-the-art techniques in rock penetration and fragmentation are presented.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

MINE 3620 Petroleum Engineering

CREDIT HOURS: 3

This course is designed to provide a comprehensive overview of the engineering aspects of the petroleum industry. Similarities between mining and petroleum engineering are stressed. Major topics cover well planning, rotary drilling techniques, drilling optimization, well cementing, well completion, and production methods.

Equipment selection and design procedures follow each unit operation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 2200.03

MINE 4100 Mining Geotechnique

CREDIT HOURS: 3

The focus of the class is the practical application of soil mechanics theory to soil slope/embankment stability in a mining environment. Method of stability analysis for natural slopes, cuts, embankments and earth/tailings dams are outlined. The effects of seepage/porewater pressure and earthquake loading are considered, as well as stabilization methods for slopes. A project dealing with earth slopes or embankments is undertaken by the students, including an in class oral presentation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CIVL 3101

EXCLUSIONS: CIVL 4100

MINE 4706 Mining Geology II

CREDIT HOURS: 3

The Physical characteristics and origins of the main types of mineral deposits are covered. Individual mineral deposits are described in terms of their mineralogy, rock types, structures and geologic factors affecting mining engineering. Assignments and laboratory exercises concentrate on the three-dimensional analysis of mineral deposits using hand specimens, maps, sections, structure contours and modelling of reserves. Case studies are covered in assigned readings

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 3605.03, MINE 3520.03

EXCLUSIONS: MINE 4705.03

MINE 4710 Mine Excavation Systems

CREDIT HOURS: 3

This course deals with several specialized mining topics related to mine excavation including mine drainage in underground and surface operations, tunneling and shaft sinking equipment and techniques, mining related soil mechanics, pressure grouting, ground freezing and mine backfilling.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 3611

MINE 4711 Mine Ventilation and Environment Control

CREDIT HOURS: 3

This course presents the main principles of total mine air conditioning: air quality, air quantity, and temperature-humidity control in underground mines. Health hazards such as mine dusts, gases, radiation, and heat stress are discussed. Design of airflow in single openings, circuit analysis, and ventilation network design are studied using manual and computer based techniques. Temperature-humidity control systems design is discussed. Mine illumination and noise control are studied as part of the total mine environment.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 3520

MINE 4750 Senior Design Project I

CREDIT HOURS: 3

This is the first part of a two-part senior project. Methods of mineral /exploration are introduced. Methods of resources/reserves estimation are discussed. Surface and drillhole data are provided. Mineral deposit is outline by exploration together with information on site description, property rights, stratigraphy and structure, map and cross-sections. Students will use the provided data to create ore bodies and estimate ore reserves. Industrial software will be used to complete the project. A mandatory field trip is an integral part of the course to give students exposure to real life operations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 3520.03 and MINE 3605.03 and MINE 4706.03

MINE 4801 Advanced Topics in Rock Mechanics

CREDIT HOURS: 3

This course deals with several specific topics in rock mechanics related to ground stability control in surface and underground mines. It covers ground failure, ground movement monitoring, "in-situ" stress management, application of numerical modelling methods, and back-analysis techniques in mining engineering. Theory and state-of-the-art of relevant techniques are discussed. Case studies are introduced to discuss practical problems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 3611.03 or permission by instructor

MINE 4815 Mining and the Environment

CREDIT HOURS: 3

This course covers environmental practices, problems and solutions in the mineral industry. Topics include regulations, reclamation, mine closure, acid rock drainage, surface subsidence, nuclear waste disposal and coal mine explosions. Case studies are used to highlight these topics. Class participation is emphasized through oral and

written presentations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 2200.03 and MINE 4706.03

CROSS-LISTING: MINE 6014

MINE 4816 Mining Engineering Project

CREDIT HOURS: 3

This project allows interested students to carry out supervised research on a suitable topic. The research topic must consist of an original research idea and/or novel application of existing technology. The student must obtain prior approval from a faculty member to act as project supervisor and agreement on the proposal scope of the research topic. In addition, the student must obtain approval of the undergraduate coordinator of the department. The student is required to submit a detailed technical report on the research topic, of appropriate length and format, for assessment.

NOTES: Students to contact the Civil and Resource Engineering Department for registration instructions, as registration is to be completed by override only

FORMAT: Lab

LAB HOURS PER WEEK: 5

MINE 4820 Surface Mine Slope Stability

CREDIT HOURS: 3

This course deals with the fundamentals of slope stability analysis in surface mining. A brief discussion is first given to field data collection and the mechanism of slope failure. Various techniques for solving slope problems encountered in the mining industry are then introduced, including plane failure, wedge failure, toppling, and rotational failure.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MINE 3611.03 MINE 3520.03

MINE 4821 Petroleum Reservoir Engineering

CREDIT HOURS: 3

This course discusses the theory and calculations in petroleum reservoir engineering. Major topics include petroleum composition, formation, migration and trapping mechanisms, classification and properties of reservoir rocks and fluids, fluid flow through porous media, phase behaviour diagrams, reservoir energy and recovery mechanisms, reservoir evaluation, as well as geological and reservoir considerations in drilling, and production engineering. An introduction to petroleum exploration methods, and data interpretation techniques is also included.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MINE 2200.03, MINE 3605.03

MINE 4835 Mineral Economics and Mine Production

CREDIT HOURS: 3

Major topics in Mineral Economics include the influence of mineral industry on the economy and mineral policy, marketing of minerals, price mechanisms, mine project evaluations and financing. Mine Production will cover topics on mine management, techniques to increase mine productivity, operating units analysis, mine maintenance, production scheduling and optimization.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MINE 3520.03

EXCLUSIONS: MINE 4713.03 and MINE 4812.03

MINE 4850 Senior Design Project II

CREDIT HOURS: 3

This is the second part of the two-part senior design project. Based on the work completed in part one, students, working in groups, will select proper mining methods, design mine structures of an underground and/or surface mine, select mining equipment, surface infrastructures and mineral processing facilities. This is followed by environmental considerations, mine evaluation and risk assessment. Regular progress reports, a final report and group presentations are required. Design projects in petroleum engineering with equivalent amount of work may be considered at the beginning of this course

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: MINE 4750.03 and Completion of all courses prior to Term 8 in the program. Exception may only be made to those with proven knowledge and industrial experience.

EXCLUSIONS: MINE 4811.03

Civil Engineering

Civil and Resource Engineering

Introduction

Civil engineering deals with the design, construction, and maintenance of the infrastructure of human civilization. Civil engineers are engaged in addressing two fundamental questions. First, how do we protect our society and its infrastructure from the impacts of the natural environment? Second, what are the impacts of society and its infrastructure on our natural environment? The infrastructure considered may be at the feasibility or the design stage, or already in existence.

First, humans need protection from the elements to thrive on this planet. With the growth of centers of population and highly organized societies, the need for very diverse kinds of 'shelter' has also dramatically increased – now routinely including hospitals, schools, skyscrapers, factories, and theatres. Cities and other centres require energy and must be connected, giving rise to the need for such ancillary infrastructure as hydro-dams, road networks, bridges, and airports. The results of the design work of the civil engineer are therefore quite visible and a source of enduring pride. However, nature sometimes deals harshly with our infrastructure, striking it with hurricanes and/or ice storms. Even if the basic designs are sound, a significant maintenance effort by engineers who are knowledgeable about the basis for the original designs is implied.

Second, Civil engineers must recognize that humans are biological entities that consume resources and generate waste. They need water, they generate wastewater. They buy consumer goods, they generate solid waste. How can we ensure that our water is pure, and that it stays pure? How can we ensure that the waste from our cities is handled in such a way that damage to the environment and risks to our own health are minimized, or perhaps even nullified? Nature metes out drought and heat, floods and freezing temperatures. How can we prepare society for such eventualities? The fact that our water and other planetary resources are also finite, can be badly or well-managed, and have been abused in the past all raise additional questions and endeavours that come under the purview of civil engineering. That the undergraduate civil engineering program at Dalhousie University has two options (the Infrastructure Option and Earth and Environment Option) is a reflection of the long-standing relevance and importance of the role of Civil engineers in addressing the above questions.

Although civil engineering is only one among many engineering disciplines available at Dalhousie, as an applied science it is characterized by exceptional technical diversity, great breadth and depth of subject matter, and a propensity for proactively addressing the practical needs of society. It is therefore natural that a BEng. in civil engineering is an excellent way to start 'life in the universe'. It is often used by our graduates as a launching pad for post-graduate studies in very diverse realms of study. Civil engineers are found in all levels of government, in private consulting companies, in public utilities, in global enterprises, and in a wide range of fields that has included technology management, business administration, and even biomedical engineering.

The Department of Civil and Resource Engineering has about 60 graduate students. They are involved in a wide-range of projects that will affect engineering practice. Our experienced and diversely-trained faculty members therefore have many research outcomes upon which they can draw when coming to the classroom or the laboratory and in doing so are eminently able to keep the undergraduate program current and modern.

A. Infrastructure Option

In this option, the following aspects of civil engineering are emphasized:

structural engineering and design, materials of construction (steel, concrete, timber, masonry, asphalt, fibre reinforced polymers), transportation engineering, construction management, and soil mechanics.

B. Earth and Environment Option

In this option the following aspects of civil engineering receive some emphasis:

environmental engineering, water and wastewater treatment, water resources and hydrogeology, geo-environmental engineering, and waste management.

Curriculum and Course Descriptions

Refer to sections IIA and IIIA, Civil Engineering Program, in the Civil and Resource Engineering section of this calendar.

Electrical and Computer Engineering

Location:

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Street Address 2: Room C367

P.O. Box: 15000

Halifax, NS B3H 4R2

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Introduction

No other branch of engineering can claim to have such an impact on modern society as Electrical and Computer Engineering. The ease, speed and precision by which electrical energy and electrical signals can be transmitted, transformed and controlled has influenced not only the daily life of people, but has also changed the course of many other disciplines. Over only a few decades, Electrical and Computer Engineering has grown to a multi-branch discipline with significant applications in the areas of power systems, communication systems, microelectronics, photonics, computers and biomedical applications. This rapid growth, coupled with major advances in technology and material science, has made the field very dynamic, and poses a challenge to the student, to the educator and to the practicing Electrical and Computer Engineer for the breadth of its activities.

The Electrical and Computer Engineering curriculum is based on the physical and mathematical principles which constitute the unchanging foundation of the discipline. Courses apply these foundational principles to state-of-the-art applications within specialized areas of the field.

In the final year, technical elective courses are provided to enable the student to obtain a deeper, more detailed understanding of current technology in a field of interest. Technical electives may also be chosen from listed courses offered by other Departments. Also during the final year the students, usually in teams of two, work on a project requiring the application of knowledge to a realistic engineering problem. The projects are submitted by professionals in local industrial and research facilities who then provide supervision in conjunction with an assigned Faculty Advisor.

Laboratory sessions form an integral part of most Electrical and Computer Engineering courses. These sessions are conducted in laboratories housed in C Building.

Students enrolled in the Electrical and Computer Engineering Degree Programs may take part in Co-Operative Education where they can apply for up to three four-month work placements in industry. Students participating in the Co-op Program will require two years and four months to complete their degree while students not in the Co-op Program can finish in one year and eight months.

Students participating in our program may pursue either the Electrical or the Computer options as listed below.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head

Chen, Z., BEng (Fuzhou), MSc (Southeast), PhD (Ottawa), PEng, FIEEE, FCAE, FEIC

Professor Emeritus

Marble, A. E., BEng, MSc, PhD (TUNS), PEng

Professors

Cada, M., Dipl. Ing., MSc, PhD (Prague), PEng
Chen, Z., BEng (Fuzhou), MSc (Southeast), PhD (Ottawa), PEng, FIEEE, FCAE, FEIC
El-Hawary, M. E., BEng (Alexandria), PhD (Alberta), PEng, FIEEE, FCAE, FEIC
El-Masry, E. I., BEng, MSc (Alexandria), PhD (Man), PEng
Gu, J., BSc (Hefei), MSc (Shanghai), PhD (Alberta), PEng
Hughes, F. L., BSc (Carleton), MSc, PhD (Newcastle upon Tyne)
Ilow, J., BSc (Poland), MSc, PhD (Toronto), PEng
Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng
Schlegel, C., BEng (Switzerland), MSEE, PhD (Notre Dame, US), FIEEE

Associate Professors

El-Sankary, K., BEng (LU, Lebanon), MSc (U of Quebec), PhD (U of Montreal), PEng (Undergraduate Advisor)
Little, T. A., BScEng (UNB), MEng (Memorial), PhD (UNB), PEng
Ma, Y., BSc, MEng (Southeast), MSc, PhD (Alberta)
Ponomarenko, S., Dipl. Phys. (Novosibirsk, Russia), PhD (U of Rochester) (Graduate Coordinator)

Assistant Professor

Adamson, R., PhD (Toronto)

Bousquet, J-F., BEng (Ecole Polytechnique), MSc, PhD (Calgary), PEng

Brown, J., PhD (Queen's)

Gonzalez-Cueto, J., BEng, MScE (Cuba), PhD (UNB) (Co-op Advisor)

Trukhachev, D., BSc (St. Petersburg), PhD (LUND)

Adjunct Professors

Baird, C. R., BEng (TUNS), MSc (UBC), PhD (UNB), PEng

Beslin, O., BSc (CAEN), MSc (LAUM), PhD (INSA)

Grabtchak, S., PhD (Guelph)

Hines, P., BS (Dalhousie), PhD (Univ of Bath)

Iseñor, G., BSc (Dalhousie), BEng, MSc (TUNS), PhD (Dalhousie)

Jin, P., BSc (Jilin China), MSc, PhD (HITChina)

Linney, N., BSc (Mt. A), BEng, MSc, PhD (TUNS)

Marabet, A., BEng (U of Annaba), MSc (Nantes), PhD (Quebec)

Marble, A. E., BEng, MSc, PhD (TUNS), PEng

Nie, H., MEng (Tsinghua), PhD (UBC), PEng

Stout-Grandy, S., BEng (TUNS), MSc, PhD (Carleton)

Yu, Y., BEng (Beijing), MSc, PhD (Swansea, UK)

Cross Appointment

Hill, I., (from Faculty of Science, Physics), BSc, PhD (Queen's)

Electrical Engineering Option

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

Study Term 5 (Fall)

- ECED 3003.03 Networks & Systems
- ECED 3201.03 Introduction to Electronics
- ECED 3204.03 Microprocessors
- ECED 3300.03 Electromagnetic Fields
- ECED 3500.03 Signal Analysis
- ENGM 3282.03 Data Structures and Numerical Methods

Work Term 1 (Winter)

Study Term 6 (Summer)

- ECED 3101.03 Power Systems I
- ECED 3202.03 Analog Electronics
- ECED 3301.03 Electromagnetic Waves and Propagation
- ECED 3511.03 Communication Systems
- ECED 3600.03 Modern Control Systems
- ECED 3901.03 Electrical Engineering Design II

Work Term 2 (Fall)

Study Term 7 (Winter)

- ECED 4502.03 Digital Signal Processing
- ECED 4513.03 Communication Networks
- ECED 4900.03 Senior Year Project I
- Humanities Elective
- Technical Elective
- Technical Elective

Work Term 3 (Summer)

Study Term 8 (Fall)

- CPST 3030.03 Engineering in Society II
- ECED 4102.03 Electromechanics
- ECED 4601.03 Digital Control Systems
- ECED 4901.03 Senior Year Project II
- Technical Elective

Computer Engineering Option

Students follow the Electrical Engineering program for Study Terms 1 to 3. In Year 2, Study Term 4, students start the Computer Engineering program.

Study Term 5 (Fall)

- ECED 3003.03 Networks & Systems
- ECED 3201.03 Introduction to Electronics
- ECED 3204.03 Microprocessors
- ECED 3300.03 Electromagnetic Fields
- ECED 3500.03 Signal Analysis
- ENGM 3282.03 Data Structures and Numerical Methods

Work Term 1 (Winter)

Study Term 6 (Summer)

- CSCI 3120.03 Operating Systems
- ECED 3202.03 Analog Electronics
- ECED 3403.03 Computer Architecture
- ECED 3511.03 Communication Systems
- ECED 3600.03 Modern Control Systems
- ECED 3901.03 Electrical Engineering Design II

Work Term 2 (Fall)

Study Term 7 (Winter)

- ECED 4404.03 Computer Networks & Communications
- ECED 4502.03 Digital Signal Processing

- ECED 4513.03 Communication Networks
- ECED 4900.03 Senior Year Project I
- Humanities Elective
- Technical Elective

Work Term 3 (Summer)

Study Term 8 (Fall)

- CPST 3030.03 Engineering in Society II
- ECED 4102.03 Electromechanics
- ECED 4901.03 Senior Year Project II
- ECED 4402.03 Real Time Systems
- Technical Elective

Co-op Program

The students who choose the Co-op Program in either the electrical engineering or computer engineering stream follow the schedule below:

Year/Term	Fall	Winter	Summer
Year 1	Study Term 1	Study Term 2	FREE
Year 2	Study Term 3	Study Term 4	FREE
Year 3	Study Term 5	Work Term 1	Study Term 6
Year 4	Work Term 2	Study Term 7	Work Term 3
Year 5	Study Term 8		

Non-Co-op Program

The students who choose the Non Co-op Program in either the electrical engineering or computer engineering stream follow the schedule below:

Year/Term	Fall	Winter	Summer
Year 1	Study Term 1	Study Term 2	FREE
Year 2	Study Term 3	Study Term 4	FREE
Year 3	Study Term 5	FREE	Study Term 6
Year 4	Study Term 8	Study Term 7	

Technical Electives

- ECED 4071.03 Analog Filter Design
- ECED 4082.03 MOS Switched-Capacitor Circuits
- ECED 4130.03 Electric Power Systems II
- ECED 4140.03 Power Systems III
- ECED 4260.03 IC Design and Fabrication
- ECED 4350.03 Optical Electronics
- ECED 4421.03 Technology and Applications of Fiber Optics
- ECED 4460.03 Communications Electronics
- ECED 4504.03 Digital Transmission Theory
- ECED 4760.03 Biomedical Engineering

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ECED 2000 Electric Circuits

CREDIT HOURS: 3

This is an introductory course in electric circuit analysis. The material covered starts with a review of the fundamental circuit variables such as voltage, current, charge, power and energy. Kirchhoff's laws are introduced and developed into node and loop analysis techniques. Terminal behavior and circuit equivalence including Thevenin and Norton circuits are covered. Analysis with controlled sources and energy storage elements is developed including steady state and transient response for first order networks. Phasors and sinusoidal steady state are introduced. Students are introduced to circuit simulation tools such as p-spice.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MATH 1290.03, PHYC 1290.03 or equivalent

ECED 2001 Circuit Analysis

CREDIT HOURS: 3

This course covers advanced circuit analysis techniques, starting with sinusoidal excitation. The concepts of phasors and complex impedance are fully developed. Mutual inductance and magnetically coupled coils are used to introduce transformer behavior and performance. Real and reactive power flow is covered before the introduction of balanced three phase circuits for power distribution. Symmetrical components are introduced as a means of dealing with unbalanced networks. The concepts of grounding and harmonics are also introduced.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ECED 2000.03

ECED 2200 Digital Circuits

CREDIT HOURS: 3

This course includes an introduction to: Boolean algebra, encoders, decoders, shift registers, asynchronous and synchronous counters, together with timing considerations. Design of asynchronous circuits, synchronous sequential circuits, and finite state machines, is covered. Karnaugh mapping techniques and state tables and diagrams are taught. Programmable logic is introduced. Contemporary computer aided design and analysis software is used throughout the course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ECED 2000.03

ECED 3003 Networks & Systems

CREDIT HOURS: 3

This course provides the basic networks and systems analysis skills required in subsequent courses in the Electrical and Computer Engineering program. It covers topics such as signals and systems modelling concepts; applications of Laplace transform in network analysis, Bode plots, block diagram; state-variable analysis; generalized two-port parameters; properties and analysis of linear time-invariant (LTI) systems, the convolution integral and Eigenfunction and Eigenvalues of LTI systems.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 2001.03, ENGM 2202.03

ECED 3101 Power Systems I

CREDIT HOURS: 3

This course presents the development of the models of each of the components making up a power system including: transformer behavior (power, control and instrument transformers), synchronous machine behavior (cylindrical rotor and salient pole theory) and transmission line behavior (lumped and distributed parameter). Per unit normalization is covered. The equipment models are compiled to present network models that can be used to study power system operation. Load flow is discussed as well as fault estimation and circuit protection.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 2001.03

ECED 3201 Introduction to Electronics

CREDIT HOURS: 3

The course gives an introduction to semiconductor physics. The theory of operation of semiconductor diodes, bipolar junction transistors (BJTs), and junction and metal oxide field effect transistors (MOSFETs), is covered in detail. The analysis and design of diode, BJT, and MOSFET circuits is covered including voltage multipliers, voltage regulators, and low frequency small signal amplifiers. Contemporary computer aided design and analysis software is applied to the aforementioned circuits.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 2000.03

ECED 3202 Analog Electronics

CREDIT HOURS: 3

This course covers behaviour of real op-amps, BJTs and FETs in high-frequency and multistage applications. Topics include linear and non-linear op-amp circuits; current mirrors, active loads and biasing; multistage amplifier design; feedback in amplifiers; high-frequency narrow-band amplifier tuning, coupling and matching; crystal, resonant, phase-shift and relaxation oscillators; waveform generation; class A, AB, B, C and D power amplifiers; voltage regulator design; heatsinking; design of MOSFET motor control circuits and pulse-width modulators. In addition, filtering, noise and distortion are introduced.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ECED 3003.03 and ECED 3201.03

ECED 3204 Microprocessors

CREDIT HOURS: 3

This course introduces a currently available microprocessor system. Topics include microcontrollers as a type of microprocessor, microprocessor architecture, address, data and control buses, allocation of external memory modules, use of decoders, latches, flip-flops and other elements of a microprocessor system, CPU bus cycle, cycle-by-cycle execution, timing diagrams, I/O methods, I/O allocation, asynchronous serial communication, RS-232 standard, parallel port interfacing, handshaking protocols, timers, timer functions, interrupts, interrupt priority, assembly programming, software development and debugging.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ECED 2200.03

ECED 3300 Electromagnetic Fields

CREDIT HOURS: 3

This course forms an introduction to basic electromagnetic principles upon which Electrical Engineering is based. The laws underlying the theory are presented in integral and differential form. A classical development of electrostatics, steady state current, and magnetostatics will lead to Maxwell's equations. The theory developed is applied to calculating circuit parameters such as resistance, capacitance, and inductance for any electronic or magnetic structure.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGM 2101.03

ECED 3301 Electromagnetic Waves & Propagation

CREDIT HOURS: 3

This course presents the basic theory and applications of propagation of electromagnetic waves. Major topics include: time-varying Maxwell's equations, electromotive force, electromagnetic spectrum, transmission of plane waves, reflection and refraction, polarization, radiation, transmission line theory, standing wave ratio, Smith Chart, impedance matching, guided wave structures, modes and cut-off frequencies.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 3300.03

EXCLUSIONS: ECED 4301.03

ECED 3401 System Analysis

CREDIT HOURS: 3

Requirement analysis, specifications, concepts of transforming an ill-defined problem into a set of specifications. Functional decomposition and data dictionaries. Top down structured and object oriented analysis techniques. Laboratory and assignment work will address the analysis of relatively complicated systems using the different techniques.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECED 2200.03

EXCLUSIONS: ECED 2400.03

ECED 3403 Computer Architecture

CREDIT HOURS: 3

This course deals with controllers, processor instruction sets, and memory systems. The student will study design methods, implementation techniques, modelling techniques, and performance analysis. Reduced instruction set architectures (RISC), pipelining, pipeline hazards, and their implementation for modern high speed applications will be studied. The student project will require a team to design and implement (or simulate) a RISC architecture.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECED 3400.03 or ECED 3204.03

ECED 3500 Signal Analysis

CREDIT HOURS: 3

Transformation theory and frequency domain representation of continuous-time signals including Fourier series, Fourier transform and Laplace transformation. Discrete-time signals, sampling theorem, aliasing and frequency domain representation of discrete-time signals including the z-transformation. Introduction to communication systems, exponential and sinusoidal amplitude modulation.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGM 1041.03 and ENGM 2022.03 and ENGM 2101.03

ECED 3511 Communication Systems

CREDIT HOURS: 3

Transmission of information in the presence of noise. The course combines a rigorous development of the fundamental principles in transceiver implementations with examples of modulation schemes that are used in modern communication systems, via quadrature modulation phase and frequency-shift keying and OFDM. Mathematical foundations of communications are applied to develop state-of-the-art digital modulation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ECED 3500.03

ECED 3600 Modern Control Systems

CREDIT HOURS: 3

This course deals with control systems analysis and design aspects. Techniques for analyzing the performance of analog systems are introduced. Emphasis is on the use of the Laplace transform and state space techniques in evaluating system performance indicators including its stability. Tools introduced include frequency response methods, and the root locus. Practical examples involving design of controllers for small systems to achieve desired response are discussed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: ECED 4600.03

ECED 3901 Electrical Engineering Design II

CREDIT HOURS: 3

This course covers advanced aspects of design, interdisciplinary design and failure analysis. Students gain experience in the design of complex systems. The course culminates in a design contest in which groups of students design and implement a system to meet design objectives, and present and defend their design in an oral design review. The course will consist of both classroom and lab work. The classroom component will use case studies, design reviews and conventional lectures. The lab component is devoted to the design and implementation of a solution to the contest challenge.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGI 2203.03

ECED 4071 Analog Filter Design

CREDIT HOURS: 3

This course deals with the theory and design of active filters, for audio-frequency applications, using op amps. It consists, basically, of two phases. Phase I deals with the realization of a given transfer function using cascade of first and/or second-order RC-op amps circuits. In phase II, the transfer functions of filters are studied in combination with frequency-response approximations such as Butterworth, Chebyshev, Inverse-Chebyshev, Caver (or Elliptic) and Bessel-Thompson.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 3003.03 and ECED 3202.03

ECED 4082 MOS Switched-Capacitor Circuits

CREDIT HOURS: 3

Metal-oxide-semiconductor (MOS) switched-capacitor (SC) techniques are the most common approach for realizing analog integrated circuits due to their high degree of accuracy and linearity. This course deals with the theory, analysis and design of SC circuits. It covers the following topics: fundamentals of sampled-data systems, MOS technologies, MOS devices for linear analog integrated circuits, Parasitic-capacitances, systematic analysis techniques, basic building blocks of SC filters, synthesis and design of SC filters.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: Permission of instructor

ECED 4102 Electromechanics

CREDIT HOURS: 3

This course covers the principles of electromechanical energy conversion and electric motors. A review of magnetic field behavior leads to magnetic circuit calculations and permanent magnet circuit behavior. Energy balance principles are used to develop force and torque relationships for many electromechanical applications including relays, meter movements and motor operation. Basic principles of motor operation such as rotating magnetic fields, efficiency and machine ratings are given as a prelude to an in depth presentation of AC and DC motor behavior. Emphasis is placed on motor control and application.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 3101.03

EXCLUSIONS: ECED 3100.03

ECED 4130 Electric Power Systems II

CREDIT HOURS: 3

Analysis of Interconnected Systems, Power Flow problem, and iterative methods for its solution. Power System Protection, Power System Stability, Optimal Operation of Electric Power Systems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECED 3101.03

ECED 4140 Power Systems III

CREDIT HOURS: 3

The course covers topics such as load curves and forecasting, characteristics and peak demand forecasting, weather-load models, discounted multiple regression and ARMA models, introduction to power system reliability evaluation, generating capacity reserve evaluation, contingency evaluation and an introduction to long-range power system expansion planning packages and production costing.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

ECED 4260 IC Design and Fabrication

CREDIT HOURS: 3

The theory of operation of MOS transistors is reviewed. Processing technologies such as diffusion, ion implantation, and etching are presented with an emphasis on CMOS circuit fabrication. Electrical and physical characteristics of circuits and clocking and I/O structures are studied. Subsystem design of PLA's, adders, counters, ROM, and RAM will be examined. Extensive use of CAD tools will give the student hands-on experience with systems typical of those used in industry.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: ECED 2200.03 and ECED 3201.03

ECED 4350 Optical Electronics

CREDIT HOURS: 3

This course deals with the fundamentals of generation and detection of light in semiconductor materials as they pertain to optoelectronic devices such as light emitting diodes, laser diodes, photo detectors, and optocouplers. Major topics include: review of semiconductor properties; photo detectors such as PIN photodiodes and avalanche photodiodes (APDS); spontaneous emission and injection luminescence in light emitting diodes (LEDS); and stimulated emission and optical gain in laser diodes (LDS). Typical materials, structures, characteristics and parameters of these devices are discussed with relation to various applications in fiber optics, sensing and consumer products.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3

ECED 4402 Real Time Systems

CREDIT HOURS: 3

This course reviews system analysis and design techniques and then addresses real time implementation methods. Real time operating system (RTOS) requirements are covered. Topics include message queuing, resource sharing, priority assignments, event flags, interrupts, memory allocation, and typical RTOS configurations. Examples in engineering and networking will be discussed. A significant design and implementation project will be undertaken.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 2
LAB HOURS PER WEEK: 3
PREREQUISITE: ECED 3401.03 or ECED 3204.03, and CSCI 3120.03

ECED 4404 Computer Networks & Communications

CREDIT HOURS: 3

Network architecture and topology, ISO, physical and data link layers, LANS, ATM, routing, quality of service, and emerging technologies. The laboratory and assignments will require implementation of network software and evaluation of current technologies.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: ECED 3400.03 or ECED 3204.03

ECED 4421 Technology and Applications of Fiber Optics

CREDIT HOURS: 3

This course deals with the basic principles and applications of optical fiber communications. Major topics include: ray theory and electromagnetic modes in optical fiber waveguides; step-index and graded-index multimode and single-mode fibers; transmission characteristics of optical fibers such as attenuation (absorption, scattering, bending), dispersion (multipath, waveguide, material, profile), and polarization (random, preserved); optical fiber communication systems (transmitter, receiver, digital and analog system design); advanced systems; non-communications applications.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

ECED 4460 Communications Electronics

CREDIT HOURS: 3

This course provides an introduction to the theory and design of electronic circuits for communications systems. Topics include: the realization of passive components for high frequency applications; small signal amplifier design and characterization employing s-parameter techniques; large signal circuit design realization and analysis employing volterra series and harmonic balance nonlinear analysis procedure; the realization and characterization of non-linear circuits as high efficiency power amplifiers, oscillators, frequency converters, and modulator/demodulator subsystems; the integration of appropriate subsystems into analog and digital terrestrial and space borne radio communication systems.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: ECED 3202.03, ECED 3301.03

ECED 4502 Digital Signal Processing

CREDIT HOURS: 3

This course introduces the basics of filtering and analysis of discrete time signals and systems. The synthesis and implementation of analog filters is discussed. An overview of the sampling theorem is followed by a discussion of the discrete Fourier transform and the z-transform. The analysis of discrete time signals is introduced, and synthesis of digital filters is covered. Contemporary signal processing hardware and design software is introduced.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: ECED 3500.03

ECED 4504 Digital Transmission Theory

CREDIT HOURS: 3

Topics covered will include detailed analysis of channel and source coding techniques with derivation of bit error rates for various modulation schemes and power-bandwidth efficiency trade-offs. Design of optimum receivers is examined. Coding gains of error control coding schemes are calculated. Power Spectral Density of communications waveforms is presented. Channel fading and performance degradations are discussed. Information Theory issues are examined. Teletraffic analysis is presented for both circuit and packet switched networks.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Permission of instructor

RESTRICTIONS: Include: Ceng

ECED 4513 Communication Networks

CREDIT HOURS: 3

This course focuses on the fundamentals of data communication networks. It covers the layered architecture of packet networks and their network elements (switches, routers, bridges). The protocols used to enable transmission of packets through the Internet are examined in detail. Analysis and design of protocols to enhance the efficiency of data transmission in the context of information theory is also presented. Students will gain an appreciation of implementing voice over IP, DVB and WiFi transmissions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ECED 3511.03

ECED 4601 Digital Control Systems

CREDIT HOURS: 3

This course deals with digital control systems analysis and design aspects. Techniques for analyzing the performance of sampled data systems are introduced. Emphasis is on the use of the Z-transform in evaluating system performance indicators including its stability. Tools introduced include frequency response methods, and the root locus. Practical examples involving design of controllers for digital control systems to achieve desired response are discussed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECED 3600.03

ECED 4760 Biomedical Engineering

CREDIT HOURS: 3

Basic anatomy and physiology of the cardiovascular, respiratory and neurophysiological systems, and their contemporary mathematical and electrical models. Physiological transducers and data acquisition systems. Biophysical signal conditioning and processing. Biotelemetry. The computer in biomedical instrumentation. Electrical safety of medical equipment. Guest lectures in the areas of electrocardiography, echocardiography, respiratory technology, hospital engineering and neurophysiological measurements.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

ECED 4900 Senior Year Project I

CREDIT HOURS: 3

This course develops the use of fundamental theory in the detailed design of a suitable project selected by the student in consultation with the department. The student is expected to take the project from its preliminary stage through the various design stages to the ultimate completion of the design, which include a detailed report with calculations, drawings, possibly a model and verbal presentation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 5

PREREQUISITE: Successful completion of all third year courses

ECED 4901 Senior Year Project II

CREDIT HOURS: 3

This course is a continuation of Senior Year Project I leading to a final report and formal presentation. The presentation will be made to fellow students and departmental staff members.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 5

PREREQUISITE: ECED 4900.03

Engineering Mathematics and Internetworking

Location:

Building/Room: Sexton Campus

Street Address 1: 1340 Barrington Street

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-6085

Fax: (902) 494-1801

Website: www.dal.ca/faculty/engineering/math-internetworking.html

Email Address: engmath@dal.ca

Introduction

The Department provides the Applied Mathematics courses required to support the engineering programs offered by the other departments. It also provides a specialized graduate program in Engineering Mathematics and Internetworking with several specializations offered with the co-operation of Engineering Departments and the Faculty of Computer Science.

The technical subjects offered by the Engineering Departments depend upon a sound knowledge of mathematical principles. Courses in Engineering Mathematics are therefore offered to students in each of the Engineering Departments. Emphasis is placed on the application of mathematical techniques to the description and solution of engineering problems. The lectures are supplemented by tutorial sessions and, when appropriate, are illustrated by application of techniques that require use of the available computing facilities.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head

Phillips, W. J., BSc (Eng), MSc (Queen's), PhD (UBC)

Professors

Fenton, G. A., BEng, MEng (Carleton), MA, PhD (Princeton), PEng

Iakovlev, S. V., MSc, PhD (St. Petersburg), PEng

Kember, G., BSc, MSc, PhD (UWO), joint appointment with Biomedical Engineering

Phillips, W. J., BSc (Eng), MSc (Queen's), PhD (UBC)

Robertson, W., BSc (EngHon), MSc (Eng) (Aberdeen), PhD (TUNS), PEng (Director, Internetworking)

Associate Professors

Gentleman, W., BEng (Hons) (McGill), PhD (Dartmouth College)

Adjunct Professors

Armity, M., BSc (Al-Fateh, Libya), MSc, PhD (Dalhousie)

Aslam, N., BSc Mech (University of Engineering and Technology, Lahore), MEng, PhD (Dalhousie)

Auricchio, F., BEng (U. di Napole, Italy), MS, PhD (Berkley)

Comeau, F., BEng, MSc (TUNS), PhD (Dalhousie), PEng

Cottreau, M., BSc, BEd (SMU), MSc (TUNS)

Hannah, C. G., BASc, PhD (UBC)

Mansour, S., BSc (U of Balamand, Lebanon), MSc, PhD (Dalhousie)

Perrie, W., BSc (Toronto), PhD (MIT)

Sivakumar, S., BEng (Bangalore), MSc, PhD (TUNS), PEng

Zamir, M., BSc, PhD (U of London), PEng

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology

level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ENGM 1011 Engineering Mathematics I

CREDIT HOURS: 3

This course covers functions, limits, continuity, differentiation and integration of polynomials, exponential, logarithmic and trigonometric functions, product, quotient and chain rules applications of differentiation to graphing, maximum-minimum problems and related rate problems, definite and indefinite integrals, and the fundamental theorem of Calculus.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

ENGM 1012 Engineering Mathematics II

CREDIT HOURS: 3

This course covers applications of integration including areas, volumes, moments, pressure and work, techniques of integration, numerical integration, length of curves, surfaces of revolution, parametric equations, polar coordinates, sequences and series, and Taylor series.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1011.03

ENGM 1041 Applied Linear Algebra

CREDIT HOURS: 3

This course covers geometric vectors in three dimensions, dot product, cross product, lines and planes, complex numbers, systems of linear equations, matrix algebra, matrix inverse, determinants, Cramer's rule, introduction to vector spaces, linear independence and bases, rank, linear transformations, orthogonality and applications, Gram-Schmidt algorithm, eigenvalues and eigenvectors.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

ENGM 1081 Computer Programming

CREDIT HOURS: 3

This course covers fundamental programming principles including flow control, modularity, and structured programming. The student will implement significant programs in the C language to solve engineering problems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

ENGM 2022 Applied Differential Equations

CREDIT HOURS: 3

This course covers first order linear and non-linear differential equations, differential equations of higher order with constant coefficients, applications to Engineering problems, Laplace transforms, periodic functions, applications of Laplace transforms to linear systems, Fourier Series, the line spectrum.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MATH 1280.03 and MATH 1290.03

ENGM 2032 Applied Probability and Statistics

CREDIT HOURS: 3

The topics covered include probability laws and the interpretation of numerical data, probability distributions and probability densities, functions of random variables, joint distributions, inferences concerning mean and variance, tests of hypotheses, and introduction to linear regression. The course emphasizes engineering applications and makes extensive use of statistical computer packages.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MATH 1280.03 and MATH 1290.03

ENGM 2101 Applied Vector Calculus

CREDIT HOURS: 3

This course covers space curves, arclength, curvature, functions of several variables, partial derivatives, implicit functions, constrained and unconstrained extrema, multiple integrals, line, surface, and volume integrals, change of variables in multiple integrals, scalar and vector fields, gradient, divergence and curl, Stokes Theorem,

the Divergence Theorem, and applications to heat flow, electrostatics and fluid flow. Programming skills are developed using software tools to solve practical problems.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1280.03 and MATH 1290.03

ENGM 3032 Applied Statistics

CREDIT HOURS: 3

This course deals with some statistical techniques and their application to engineering problems. Topics included are: review of statistical inference, linear regression and correlation, analysis of variance, the design of experiments and nonparametric statistical methods.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2032.03

ENGM 3052 Applied Numerical Methods

CREDIT HOURS: 3

This course provides an introduction to Numerical Analysis with emphasis on solution of Engineering problems. The course covers the following topics: a brief review of Computer Programming; concepts of software engineering; approximations and errors; roots of linear and non-linear equations; LU decomposition, Singular value decomposition, condition number; curve fitting; numerical differentiation and integration; and numerical solution of ordinary differential equations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1081.03, ENGM 2022.03, ENGM 2101.03

EXCLUSIONS: ENGM 3356.03

ENGM 3271 Engineering Mathematics V

CREDIT HOURS: 3

This course has three parts. The first is complex analysis, including the residue theorem and its applications. The second part concerns transform theory including Fourier Series, Fourier Transform, the frequency domain representation of signals, impulse response, and transfer function. The third part concerns partial differential equations including the classification of equations and boundary conditions, separation of variables, the wave equation, Laplace's equation, and applications to electrical engineering problems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1041.03, ENGM 2022.03, ENGM 2101.03

CROSS-LISTING: ECED 3500.03

ENGM 3282 Data Structures and Numerical Methods

CREDIT HOURS: 3

This course introduces the student to system analysis, and software techniques. Topics covered include objects, stacks, queues, multiple linked lists, searching and sorting algorithms and their implementations in the C++ programming language. The students use linear algebra and numerical methods in engineering examples while learning to implement properly structured solutions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1041.03, ENGM 1081.03

ENGM 3356 Numerical Methods and Partial Differential Equations

CREDIT HOURS: 3

This course provides an introduction to Numerical Analysis and Partial Differential Equations with emphasis on solution of problems related to Mechanical Engineering. The following topics are covered: approximations and errors; roots of non-linear equations; systems of equations, curve fitting; numerical integration and differentiation; numerical solution of ordinary differential equations; partial differential equations, separation of variables, solution of the equation, wave equation, and Laplace's equation with various boundary conditions; numerical solutions of partial differential equations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1081.03, ENGM 2101.03, ENGM 2022.03

EXCLUSIONS: ENGM 3052.03

ENGM 4675 Risk Assessment and Management

CREDIT HOURS: 3

This course introduces the risk assessment and system reliability methodologies, from classical event trees to simulation. Examples of risk-based decision making analyses will be covered, ranging from oil exploration to environmental site remediation. The student will carry out a risk assessment involving design decisions on a project of their own choosing.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2032.03

ENGM 4680 Ecosystem Modelling of Marine and Freshwater Environments

CREDIT HOURS: 3

Students develop and apply mathematical models of marine and freshwater ecosystems to study biological production, biogeochemical cycling etc. Lectures provide theoretical background for coupling nutrient and plankton dynamics, including parameterizing biological processes and physical effects. Computer sessions provide

hands-on modelling experience. Students also learn to critique modelling literature in a journal-club setting.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CROSS-LISTING: ENGM 6680.03, OCEA 5680.03

Environmental Engineering

Location:

Building/Room: "N" Building, Sexton House

Street Address 1: 1360 Barrington Street

Street Address 2: Room E102

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3953

Fax: (902) 420-7639

Website: www.dal.ca/faculty/engineering/peas.html

Email Address: enve.engineering@dal.ca

Introduction

Environmental Engineering is a rapidly growing discipline within the engineering profession. The program is intended to satisfy the needs of interested students and the environmental industry. The curriculum is designed to train professionals in multidisciplinary approaches to environmentally-based design, waste management, water and soil quality, energy conservation and renewables, and air quality.

Sustainable environmental approaches to production and management systems will continue to be required by industry, government and the consulting sector at the provincial, regional, national and international level. Challenging Environmental Engineering career positions are found in national and international petroleum companies and power utilities, manufacturers of environmental and energy efficient products, environmental consulting companies, provincial and national Government departments such as Natural Resources, Environment, Forestry, Agriculture and Food to name just a few.

Curriculum and course descriptions

Refer to sections IIC and IIIC, Environmental Engineering Program, in the Process Engineering and Applied Science section.

Co-operative program and schedule

Refer to section Technical Co-op Program, in the Engineering section.

Admissions

- Students who have successfully completed first year engineering at a recognized university will be eligible for admission in Year II of the Environmental Engineering program.
- Students who have completed a first year science program will be considered for admission into Environmental Engineering.
- Students who have completed two or more years of university studies will be considered for admission on the basis of transfer of credits.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head, Process Engineering and Applied Science

Kuzak, S. G., BEng, MEng (McGill), PhD (TUNS), PEng

Undergraduate Program Co-ordinator

Brooks, M. S., BTech (Massey), PhD (Cambridge), PEng

Food Science

Location:

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Street Address 2: 4th Floor

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Introduction

Food Science is a discipline that combines a basic knowledge of science and engineering principles in the study of food products and preservation technologies. Food scientists have training in and employ the principles of the basic sciences such as physics, mathematics, chemistry, biology, biochemistry, and microbiology. Food Science is the application of the basic sciences and engineering to food processing, preservation and safety.

A Minor in Food Science is available to students registered in the BSc 120 credit hour major and honours programs.

Curriculum and course descriptions

Refer to sections IID and IIID, Food Science Program, in the Process Engineering and Applied Science section.

Admissions

Students from Canadian High schools are recommended to take the following subjects in high school: Pre-calculus Math and English and two or more of Physics, Chemistry, Food Science or Biology. The admission requirements are the same as for admission to the Bachelor of Science program. Many of our students have traditionally been transfer students. Please contact the program chair for advice on this matter.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head, Process Engineering and Applied Science

Kuzak, S. G., BEng, MEng (McGill), PhD (TUNS), PEng

Undergraduate Program Co-ordinator

Budge, S. M., BSc (Acadia), PhD (MUN)

Industrial Engineering

Location:

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Email Address: industrial.engineering@dal.ca

Introduction

Industrial Engineers design systems to enable people and society to improve productivity, efficiency, effectiveness and quality. All engineers work at planning, designing, implementing and controlling the systems that enable people to use technology. The systems that industrial engineers design are broad and are characterized by a need to integrate both the physical and decision making capabilities of humans with all other aspects of the system design. Problems range from the design of a work method and work station, to the design of a factory layout and methods of controlling the flow of materials on the factory floor, to the design of an overall corporate plan involving materials procurement, production, inventory and distribution. The idea of a factory is also extended to include communications, systems, energy systems, health care systems, municipal systems, transportation systems; in fact all systems that are essential to the functioning of modern society. To facilitate effective decision-making and achieve high performance in areas such as scheduling, inventory and quality control, industrial engineers are often required to design and implement computer based information systems.

Human behaviour and capabilities are key elements in the systems industrial engineers work with. In designing the layout of a production line for an automobile manufacturer, the checkout counter for a supermarket, the organization of work flow for a bank or the materials handling system for a steel plant, the engineer must consider both physical requirements and cost parameters, and the physiological and behavioural performance of the human operators. The industrial engineer has a dual role, both to extend human capability to operate, manage and control the overall production system, and to ensure the safety and well being of those working in the system.

Design and development of these systems requires the unique background of the industrial engineer. The process of engineering always starts with measurement. Where other engineers might measure temperatures, pressures, or loads, the industrial engineer measures the time of a work cycle, dollar value of expenditures, rates of machine failures, and demand for finished goods. Usually the mathematical analysis must take into account risk and uncertainty to a larger extent than in other engineering fields. Computer simulation and optimization are often required. The concepts and techniques found in the Industrial Engineering curriculum have been selected to assist the student to develop the skills that meet the specific challenges of systems which involve managerial activities.

Students begin the Industrial Engineering program with a background in engineering fundamentals studied during their initial two years. In the latter portion of the IE program, they are introduced to the fundamental approaches of work place design and operations research, while at the same time enhancing their mathematical and computer background. Later, more advanced modelling approaches are examined together with courses more directly related to the management process. Production scheduling, inventory control, quality management and plant layout are studied, as are the factors which influence human performance. Students are provided with the opportunity to study such areas as manufacturing, service systems, or maintenance through the Department's elective course offerings.

In their final year, all students undertake a major design project. Projects are drawn from companies or institutions outside the University and are treated as a consulting assignment. Students are evaluated on their ability to achieve an innovative solution by drawing upon the analytical skills developed throughout their program of studies. They must also, of course, satisfy the practical requirements of the client.

Job opportunities for industrial engineers are both plentiful and widely based. Former graduates are currently practicing industrial engineering in areas ranging from semi-conductor manufacturing and airlines, to utilities and hospitals. Invariably, the work assigned is original in its nature, demanding that the industrial engineer be creative in applying his or her many abilities to achieve the best solution. Managers require such results if they are to keep their costs under control in an increasingly competitive world. This requirement will sustain the high demand for industrial engineers well into the future.

Program Guide

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head

Venkatadri, U., BTech (IT-BHU), MS (Clemson), PhD (Purdue), PEng

Professor Emeritus

Das, B., BScEng (Banaras), MSc, PhD (North Carolina State), CEng, PEng

Gunn, E. A., BSc (Mt. A), MA (Dalhousie), PhD (Toronto), PEng

Professors

Barzilai, J., BSc, MSc, DSc (Technion)

Pelot, R., BAsC (Ottawa), MASc (Alberta), PhD (Waterloo), PEng (Co-Op Advisor)

Associate Professors

Blake, J. T., BAsC, PhD (Toronto), PEng

Cyrus, J. P., BSc (Eng) (UWI), MASc, PhD (TUNS), PEng

Diallo, C., BEng, MSc, PhD (Laval), (Undergraduate Program Co-ordinator), PEng

MacDonald, C. A., BEng (TUNS), PhD (Dalhousie), PEng

Venkatadri, U., BTech (IT-BHU), MS (Clemson), PhD (Purdue), PEng

Assistant Professors

Ghasemi, A., BSc (Isfahn), MSc (Tehran), MSc, PhD (Montréal)

Vanberkel, P., BEng, MASc (Dalhousie), PhD (Twente), PEng

Instructors

Flemming, S., BEng (Dalhousie), MASc (Toronto)

Adjunct Professors

Black, N., BAsC (Waterloo), MASc (TUNS), PhD (UNB), PEng

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Richards, E., BEng, MSc (UNB), PhD (TUNS)

Sandblom, C.-L., Fil.Kand., Fil.Mag. (Lund), PhD (Birm)

Tajbakhsh, N., BSc, MSc (Amirkabir), PhD (Toronto)

Co-op Program

The students who choose the Co-op Program follow the schedule below:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 5	Work Term 1	Study Term 6
4	Work Term 2	Study Term 7	Work Term 3
5	Study Term 8	Study Term 9	

Non Co-op Program

The students who choose the Non Co-op Program follow the schedule below:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	Study Term 6

3	Study Term 5	Study Term 7	FREE
4	Study Term 8	Study Term 9	

Students not wishing to participate in the co-op program are able to structure their academic program over a two-year time period. To do so requires the student to begin the program at the beginning of the summer study term, which commences the first week of May (Study Term 6). The student then completes Study Term 5 in the fall, and then Study Term 7 in the winter. After a summer “off”, the student completes the final two study terms in the same order as students in the co-op program thus completing the five study or academic terms within two calendar years.

Year 3, Term 5 (Fall)

- IENG 3301.03 Fundamentals of Industrial Engineering
- IENG 3303.03 Ergonomics and Work Design
- IENG 3305.03 Computational Methods and Algorithms for IE
- IENG 3344.03 Operations Research: Linear Models
- IENG 3348.03 Systems Engineering

Year 3, Work Term 1 (Winter)

Year 3, Term 6 (Summer)

- IENG 3316.03 Design of Information Management Systems
- IENG 3320.03 Analysis of Design of Production Systems
- IENG 3321.03 Manufacturing Processes and Materials
- IENG 3334.03 Industrial Statistics
- IENG 3345.03 Operations Research: Stochastic and Non-Linear Models

Year 4, Work Term 2 (Fall)

Year 4, Term 7 (Winter)

- IENG 4432.03 Simulation of Industrial Systems
- IENG 4443.03 Quality Control and Reliability
- IENG 4445.03 Facilities Design
- IENG 4454.03 Design of Inventory Systems
- IENG 4558.03 Project Management and Control

Year 4, Work Term 3 (Summer)

Year 5, Term 8 (Fall)

- IENG 4547.03 Company Operations and Management
- IENG 4581X/Y.06 Industrial Engineering Design Project
- IE Elective
- IE Elective

Year 5, Term 9 (Winter)

- IENG 4529. 03 Industrial and Organizational Psychology
- IENG 4581X/Y.06 Industrial Engineering Design Project
- IE Elective
- IE Elective

Industrial Engineering Electives

- IENG 4544.03 Routing and Scheduling
- IENG 4562.03 Maintenance Engineering and Management
- IENG 4564.03 Design and Optimization of Service Systems
- IENG 4571.03 Computer Integrated Manufacturing Systems
- IENG 4573.03 Industrial Biomechanics
- IENG 4574.03 Decision and Risk Analysis
- IENG 4575.03 Stochastic Processes and Queueing
- IENG 4578.03 Organizational Aspects of Quality Management
- IENG 4579.03 Supply Chain Management
- IENG 4580.03 Modelling and Performance Analysis of Computer Networks
- IENG 4599.03 Special Topics in Industrial Engineering

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

IENG 2005 Engineering Economics

CREDIT HOURS: 3

This course is designed to provide students with the fundamentals of engineering economics. Engineers must function as managers in the real world of decision making where the criteria include not only technological excellence, but cost. Time value of money, project screening, and a variety of discounting analysis techniques are presented. Make versus buy decisions and repair versus replace decisions are discussed. The tax effects on project cash flow and viability are also presented. This course is designed to introduce students to these fundamentals, and apply them through the use of software and projects.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

IENG 3301 Fundamentals of Industrial Engineering

CREDIT HOURS: 3

This course introduces students to fundamentals of industrial engineering. The history, development and theoretical basis of industrial engineering will be discussed, as well as the social and environmental impact of engineering decisions. Students will be introduced to the concept of systems and systems thinking. Fundamental industrial engineering techniques will be covered, including motion study, work measurement of standards, and operations evaluation and analysis.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2032.03

EXCLUSIONS: IENG 3311.03

IENG 3303 Ergonomics and Work Design

CREDIT HOURS: 3

Ergonomics is the science of applying knowledge of the capabilities and limitations of humans into the design of products, work spaces and systems we use every day. Topics in this course include the musculoskeletal system, anthropometry, manual material handling, work physiology, the effect of work environment on performance, human/machine interaction, cognition and information processing. Design principles based on this knowledge will be presented. This course will include labs and final design project.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

CROSS-LISTING: KINE 3476.03

EXCLUSIONS: IENG 3313.03, IENG 3347.03

IENG 3305 Computational Methods and Algorithms for IE

CREDIT HOURS: 3

An overview of advanced programming methods is presented with an introduction to algorithms used in industrial engineering applications. Topics covered include sorting, searching, data structures, shortest paths, random number generation, simulated annealing, matrix operations, curve fitting and geometric algorithms. Algorithms for solving several classes of equations are considered. Techniques for writing and debugging large programs, and controlling numerical errors are taught. The C programming language will be used for implementation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1081.03

IENG 3316 Design of Information Management Systems

CREDIT HOURS: 3

Techniques used in the design of information management systems to support decision making are taught. This includes the principles of systems analysis, software engineering and requirements analysis. The design of relational database systems, user interfaces and documentation are covered. Current technologies for computer hardware, software, networking and communications are reviewed. Students are taught how to program database applications in a fourth generation environment.

Software development projects will be assigned.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 1081.03

IENG 3320 Analysis and Design of Production Systems

CREDIT HOURS: 3

This course provides the student with an introduction to issues in planning and control of production systems and scheduling techniques used in production environments. Topics include aggregate planning models, performance measurement, materials requirements planning, production lot-sizing, just-in-time (JIT) models and other pull control systems, and job scheduling and sequencing. Programs currently practiced in industry, such as Lean Manufacturing and Six-Sigma, will also be introduced.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGM 1081.03, ENGM 2022.03, ENGM 2032.03, IENG 2005.03, IENG 3345.03 (may be taken concurrently)

IENG 3321 Manufacturing Processes and Materials

CREDIT HOURS: 3

The course deals with properties of manufacturing materials, casting and forming, traditional and non-traditional machining processes, welding and computer-integrated manufacturing (CIM). Theoretical background is provided that includes equilibrium diagrams, heat treatment, tool life and wear, and dimensioning and tolerance analysis. There will be lab experiments, video presentations and manufacturing plant visits.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGI 1101.045, ENGI 2203.03

IENG 3334 Industrial Statistics

CREDIT HOURS: 3

This course covers hypothesis testing, chi-square tests and nonparametric techniques, analysis of variance and experimental design, as well as simple and multiple linear regression. Numerical examples are solved by straightforward calculation as well as by computer software, and various applications are presented.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2032.03

IENG 3344 Operations Research: Linear Models

CREDIT HOURS: 3

This course is an introduction to linear programming and its applications to industrial engineering design. The simplex method and duality theory are covered in detail. Formulation, solution algorithms, and applications of several problem classes are presented including network models and integer programs. Through a class project, students are introduced to the process of developing an optimization model, including the ideas of database, matrix generators, and report writers.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGM 2101.03, ENGM 1041.03, ENGM 1081.03

IENG 3345 Operations Research: Stochastic and Non-Linear Models

CREDIT HOURS: 3

This course consists of an analysis of important probabilistic and nonlinear models in operational research. These include dynamic programming, queuing models and reliability models. Aspects of Markov processes and nonlinear programming are introduced. Application of these methods is reinforced through a term project.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: ENGM 2032.03, ENGM 1081.03

IENG 3348 Systems Engineering

CREDIT HOURS: 3

This course places the industrial engineering viewpoint in the context of systems theory. The course begins with an introduction to the general concepts of systems, and then examines classical linear systems theory as applied traditionally in engineering. It is shown how industrial engineering design can be viewed as a control system problem. The concepts of systems engineering are in turn applied to industrial engineering design. Systems dynamics simulation is used to explore these ideas. Issues of capacity planning, hierarchical production planning and control, short term scheduling and data envelopment analysis are presented.

PREREQUISITE: ENGM 2022.03, ENGM 2032.03

EXCLUSIONS: IENG 4548.03

IENG 4432 Simulation of Industrial Systems

CREDIT HOURS: 3

This course covers discrete event systems simulation. Model development includes validation and verification methods, the generation of pseudo-random numbers from continuous and discrete distributions, selection of probability distributions and variance reduction techniques. Statistical output analysis and inference are studied for effective interpretation of results. Applications in areas such as manufacturing, service operations, project management and system design are reviewed. Simulation software is used throughout the course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: IENG 3305.03, IENG 3301.03, IENG 3334.03, IENG 3345.03

EXCLUSIONS: IENG 3432.03

IENG 4443 Quality Control and Reliability

CREDIT HOURS: 3

This course evaluates aspects of production to ensure that products meet specifications. Statistical quality control, which is used to determine process capability and to detect process changes, involves the design and use of different types of control charts. Sampling inspection, which is used to separate good lots from poor lots, covers the design of sampling plans. Reliability is concerned with the design of products and reliability testing.

FORMAT: Lecture

PREREQUISITE: ENGM 2032.03, IENG 3301.03, IENG 3334.03

EXCLUSIONS: IENG 3443.03

IENG 4445 Facilities Design

CREDIT HOURS: 3

This course deals with the principles, concepts and methods of plant layout and materials handling for the optimum design of a facility. The topics include information requirements for facility design, conventional and newer quantitative techniques for analyzing material flow, facilities location, space determination, computerized plant layout techniques, the unit load concept, materials handling equipment selection and automatic storage and retrieval systems. A project involves facilities design for the manufacture and assembly of a mechanical device.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: IENG 3301.03

EXCLUSIONS: IENG 3445.03

IENG 4454 Design of Inventory Systems

CREDIT HOURS: 3

This course introduces a number of quantitative methods for the analysis and of inventory systems. These include deterministic and probabilistic economic order quantity (EOQ) models and variants, single and multiple period inventory models, exchange curves, and other advanced inventory models. Forecasting algorithms applicable to inventory systems are also covered.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: IENG 2005.03, IENG 3301.03, IENG 3320.03, IENG 3334.03, IENG 3345.03

IENG 4500 Operations Research Methods for Systems Engineering

CREDIT HOURS: 3

This course will introduce non-industrial engineering students to operations research models and methodologies to optimize the design, development and operation of engineered systems. The objectives of this course will be to provide students with the skills to solve a variety of linear and non-linear models and the ability to recognize how such models can be applied in a wide variety of engineering disciplines. Topics to be covered include linear programming, integer programming, network models, decision analysis, dynamic programming, queuing models, and non-linear optimization. Applications will focus on diverse areas of engineering including mining, transportation, and environmental management.

PREREQUISITE: ENGM 2032.03

IENG 4529 Industrial and Organizational Psychology

CREDIT HOURS: 3

Individual behaviour and group processes are reviewed, particularly as they relate to activities in organizations. Perception, learning, motivation and attitudes are covered. The implications of different personality types at work are taught. Organizational issues such as group dynamics, communication, power and conflict are studied. Applications include job analysis, team effectiveness, personnel selection and training, job enrichment, leadership and career management.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

IENG 4544 Routing and Scheduling

CREDIT HOURS: 3

Optimization techniques for solving vehicle routing and scheduling problems are covered. Elementary concepts and notation for graphs, networks, maps and geographic information systems (GIS) are presented. Specific issues include NP-complete problems, shortest paths and travelling salesperson problems. Vehicle routing and scheduling with capacity constraints, time windows, pick-up and delivery constraints are also discussed. Applications in manufacturing and transportation are reviewed.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: IENG 3305.03, IENG 3344.03, IENG 3345.03

IENG 4547 Company Operations and Management

CREDIT HOURS: 3

The purpose of this course is to introduce the student to the management and operation of large and small businesses. Topics include the business environment in Canada, entrepreneurship, small business startup and financing, organizational theory, management cycle, managing projects, human resources, industrial relations, management finance, marketing and sales. A term project is an integral part of this course.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: IENG 2005.03

IENG 4558 Project Management and Control

CREDIT HOURS: 3

This course identifies the common aspects and peculiarities of projects and then illustrates the application of analytical approaches to meet the challenges of achieving effective project management. The following topics are covered: feasibility studies, project planning, cost estimation, bidding, use of professional engineering and other types of consultants, organization and control, resource allocation and project life cycle concepts. The role of the professional engineer in society and the impact that engineering in all its forms makes on the environmental, social, economic and cultural aspirations of society are discussed.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

IENG 4562 Maintenance Engineering and Management

CREDIT HOURS: 3

The course deals with basic maintenance systems of equipment and buildings, maintenance job planning and scheduling, maintenance work measurement/universal maintenance standard (UMS), breakdown versus preventive maintenance, total productive maintenance (TPM), budgets and cost control, computerized maintenance management information system, reliability measurement based on the Weibull distribution, maintainability measures and managing maintenance.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: ENGM 2032.03, IENG 2005.03, IENG 3334.03

IENG 4564 Design and Optimization of Service Systems

CREDIT HOURS: 3

This course will focus on the design of systems in Canada's largest industry: healthcare. Throughout the course, examples drawn from healthcare will be used to illustrate how industrial engineering techniques can be applied in a wide variety of settings. Topics to be discussed include capacity planning, service distribution, quality, decision analysis, scheduling, and waiting line models.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: IENG 3301.03, IENG 3345.03

IENG 4571 Computer Integrated Manufacturing Systems

CREDIT HOURS: 3

Techniques are introduced for the analysis and design of computer integrated manufacturing systems. The architecture of CIM systems is discussed, including machining stations, material handling, robotics, computer control and information systems. Specific topics include manufacturing simulation, automated material handling, warehouse management, robotics, manufacturing planning and control, just-in-time systems, group technology, cellular manufacturing, flexible manufacturing systems, concurrent engineering, computer aided process planning and information system design.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: IENG 3320.03, IENG 3321.03, IENG 4432.03

IENG 4573 Industrial Biomechanics

CREDIT HOURS: 3

The course primarily deals with the functioning of the structural elements of the human body and the effects of external and internal forces on the body. Due emphasis is given to the biomechanical approach to job design. This takes into account human motor capabilities and limitations, work physiology, task demands, equipment and workplace characteristics in an integrated manner. Use of bioinstrumentation and applications of biomechanics in work, industry and rehabilitation are discussed.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2

IENG 4574 Decision and Risk Analysis

CREDIT HOURS: 3

This course teaches the principles and applications of decision analysis. The cognitive processes involved with information acquisition, judgment, value assessment, and decision-making are presented. Methods for scoping a decision-making problem, decomposing it into elements, establishing criteria, and evaluating the options are discussed. Probability assessment under uncertainty, decision trees, value of information, utility theory, and multiple-agent contexts are explored to address increasingly complex scenarios.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

IENG 4575 Stochastic Processes and Queueing

CREDIT HOURS: 3

This course covers the analysis of stochastic models. After a review of the relevant aspects of probability theory, the course examines discrete-time Markov chains, Poisson processes, continuous-time Markov chains, and renewal theory. The course also touches on applications of the theory to queueing, inventory, and reliability.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: IENG 3344.03, IENG 3345.03

IENG 4578 Organizational Aspects of Quality Management

CREDIT HOURS: 3

In this course, quality is investigated as a strategic initiative for organizations. The concept of quality is described in relation to the philosophies of Shewart, Deming, and Juran. The organizational structures needed to support Total Quality Management (TQM) programs are described. Tools for process analysis and improvement are discussed, as is the concept of change management. The course concludes with an evaluation of current quality certification protocols, particularly the ISO 9000 series of standards.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

IENG 4579 Supply Chain Management

CREDIT HOURS: 3

This course will consider the design, analysis and operational control of manufacturing supply chain systems. Models of the supply chain at the strategic, tactical and operational levels are examined as well as the incorporation of these models in a variety of decision support systems. The role of information technology, including enterprise resource planning software, is studied in the supply chain context.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: IENG 3320.03, IENG 3344.03, IENG 4454.03

IENG 4580 Modeling and Performance Analysis of Computer Networks

CREDIT HOURS: 3

The fundamentals of computer network operation and design are covered. Topics include protocols, wide area networks, local area networks, internetworks, performance measurement, and data network simulation. A network design project will be assigned.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: IENG 4432.03

IENG 4581X/Y Industrial Engineering Design Project

CREDIT HOURS: 6

In this course, the students work in groups on an actual industrial engineering design problem from an organization outside the university. The problem may be in a manufacturing plant, a consulting firm, or a service industry. The ability to solve problems and communicate with the client organizations and with professional Industrial Engineers is stressed. Students are required to maintain a professional log, to prepare an interim report, and to demonstrate their presentation skills.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 6

PREREQUISITE: IENG 3301.03, IENG 3303.03, IENG 3316.03, IENG 3320.03, IENG 3321.03, IENG 4432.03, IENG 4443.03, IENG 4445.03, IENG 4454.03, IENG 4558.03, IENG 3348.03, IENG 3305, IENG 3344, IENG 3334, IENG 3345

IENG 4599 Special Topics in Industrial Engineering

CREDIT HOURS: 3

This senior year elective course will include special topics in Industrial Engineering that are not included in the regular offerings of the department. The course will be a lecture course, not directed studies. Topics may vary each year, and therefore students should consult with the department for more information before registering.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

Materials Engineering

Location:

Building/Room: Sexton Campus, G, F and P Buildings

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Introduction

Metals and materials are found in every aspect of society today. Materials have always been central to the advancement of civilization so it is not surprising that entire eras are named after them (bronze age, iron age). The importance of developing new, advanced materials is truly a global issue with societal demands for things such as more fuel efficient vehicles and faster computer processors reaching all time highs. Materials Engineers are the driving force behind such developments, having an unsurpassed understanding of the respective structure, properties and processing of materials. Consequently, graduates are employed in practically all industries. Principals amongst these are primary metal production, automotive, aerospace, government research establishments and consulting firms. Literally all graduates find immediate employment - historically, over 70% have secured full time positions before the start of their final academic term. These niche individuals are highly respected within the companies that they work for and many advance into upper managerial and executive positions.

The program has been designed to give students extensive coverage of this highly unique field which in itself is very broad. The principal branches of Materials Engineering in which students receive instruction include (i) Extractive Processing of Materials, (ii) Structure of Materials, and (iii) Mechanical Properties and Testing of Materials; usually the graduating engineer chooses to specialize in one of these three. Students learn about all of the major courses of materials including metals, ceramics, polymers, and composites - graduates are true "Materials Experts." In doing so, the respective curricula are designed to provide in-depth knowledge of engineering and more importantly, extensive coverage of discipline-specific areas. Students' understanding of the field is further accentuated by the fact that average class sizes are on the order of 20 to 25 students ensuring each an exceptional level of attention from faculty members and one on one interaction.

In 1979, Materials Engineering was the first discipline in the faculty to offer the now highly popular Co-op Program. Students are able to obtain a Bachelor of Materials Engineering with Co-Op distinction in two years following the completion of a Diploma in Engineering. There are two Co-op programs offered in Materials Engineering. One is a Bachelor of Engineering, the other a combined BEng/MASc Degree. The undergraduate curriculum is the same for both programs.

The BEng/MASc was developed in light of the program's strong commitment to research and to permit the identification of students interested in graduate studies before they completed their undergraduate courses. In this regard, all faculty members are actively involved in international research and development initiatives. Consequently, students may also choose to pursue Master's and Doctoral degrees in Materials engineering at Dalhousie in many technically challenging fields of global importance. Included are ceramic and metal matrix composites, automotive alloys, aerospace materials, electronic materials, corrosion, wear, and near-net-shape materials processing technologies.

Curriculum and course descriptions

Refer to sections IIE and IIIE, Materials Engineering Program, in the Process Engineering and Applied Science section.

Co-operative program and schedule

Refer to Technical Co-op Program, in the Engineering section.

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head, Process Engineering and Applied Science

Kuzak, S. G., BEng, MEng (McGill), PhD (TUNS), PEng

Undergraduate Program Co-ordinator

Farhat, Z., BASc, MASc, PhD (Windsor), PEng

Mechanical Engineering

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Introduction

Mechanical Engineering covers a very broad field of professional activity in such areas as land, sea, air, and space transportation; primary and secondary manufacturing industries; energy supply, conversion and utilization; environmental control; and industrial management. In these areas, the Mechanical Engineer may become involved with design, construction, operation, development, research, planning, sales and management.

The curriculum is designed to develop an understanding of the fundamental principles of Mechanical Engineering through lecture, tutorial, and laboratory activities. Well-instrumented laboratories in thermofluids, energy conversion, stress analysis, vibrations, and control systems provide experience in measurements and applications, to ensure a thorough understanding and appreciation of the subject matter. Courses in mathematics, and various non-technical subjects are offered to broaden the student's outlook and understanding of the profession.

Laboratory involvement is considered an important component of mechanical engineering students' education. Emphasis in the laboratory is placed on project work in which design, development and testing are combined in term projects. The laboratory facilities include extensive equipment which is available for use by both undergraduate and graduate students. Measurement techniques and interpretation of test data are emphasized in the laboratories which include several testing machines, photoelastic equipment and strain gage facilities. The control systems laboratories include hydraulic, pneumatic and electronic control systems and components. Several test cells are available for engine testing and a well instrumented, low turbulence wind tunnel is available.

Most undergraduate laboratories use high-speed PC-based digital data acquisition and control systems with graphical interfaces for lab experiments and computations, and the Department has several advanced computer graphics systems.

A design project is an integral part of the senior year curriculum. This involves the student in the original design of a machine or system. Generally, the material learned in several courses must be applied in an imaginative way to achieve the required objective. Non-credit machine-shop practice courses are available to aid the design and construction of projects. Many design projects are sponsored by industry. Most projects involve hardware and typically result in construction and testing of prototypes.

Postgraduate studies in the Department are concentrated in the areas of renewable energy, conversion and storage, stress analysis, heat transfer, multi-phase flow, fluid and thermal power, dynamics of rotating machines, robotics, MEMS and computer aided design and manufacturing. Research and project master's degrees as well as the doctoral degree are offered.

Program Guide

Mechanical Engineering offers two versions of the BEng Program:

1. Co-op Program
2. Non Co-op Program

Staff

Dean

Leon, L. J., BSc, MSc, PhD (Dalhousie), PEng

Department Head

Doman, D. A., BAsC, MASc (Waterloo) PhD (Dalhousie), PEng

Professors Emeriti

Cochkanoff, O., BAsC (UBC), MASc (Toronto), PhD (Iowa State), PEng, CD

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Professors

Allen, P. L., BSc (Mt. A), BEng (TUNS), MEng (UWO), PhD (TUNS), PEng
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Hubbard, T., BSc (Dalhousie), BEng (TUNS), PhD (Caltech), PEng (Undergraduate Program Coordinator)
Kalamkarov, A. L., BSc, MSc, PhD (Moscow State), DSc (Acad Sci, USSR), PEng, FASME, FCSME
Kujath, M. R., MSc (Warsaw Tech Univ), PhD (Polish Academy of Sciences), PEng
Militzer, J., BSc (EEM Brazil), MSc (USP Brazil), PhD (Wat), PEng
Ugursal, V. I., BSc (Bogazici), MEng, PhD (TUNS), PEng, FCSME (Recruitment Coordinator)
Warkentin, A., BEng Mgt, MEng (McMaster), PhD (Waterloo), PEng

Associate Professors

Doman, D. A., BSc, MSc (Waterloo), PhD (Dalhousie), PEng
Groulx, D., BSc, PhD (Sherbrooke), Ing, PEng
Johnston, C. R., BSc, MSc (Alberta), PhD (Calgary), PEng
Pan, Y., BEng (Yanshan, China), MEng (Zhejiang, China), PhD (NUS, Singapore), PEng (Graduate Co-ordinator)

Assistant Professors

Swan, L., BSc (CalPoly), MSc, PhD (Dalhousie), PEng (Co-op Coordinator)

Adjunct Professors

Beausoleil-Morrison, I., BSc, MSc (Waterloo), PhD (U of Strathclyde)
Fung, A., BSc (Dalhousie), BEng, MSc (TUNS), PhD (Dalhousie), PEng
Irani, R., BSc (Windsor), MSc, PhD (Dalhousie)
Joseph, A., BSc (St. FX), MSc (NSAC), PhD (Dalhousie)
Molloy, S., BEng (Concordia), MEng, PhD (MUN)
Quinn, W., BSc (U AsC Hamberg), MSc (TU Berlin), MSc, PhD (Queen's)
Seto, M., BSc, MSc, PhD (UBC), PEng

Senior Instructor

Warner, R. A., BEng (TUNS), PEng

Co-op Program

The students who choose the Co-op Program follow the schedule below:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Work Term 1	Study Term 5	Work Term 2
4	Study Term 6	Work Term 3	Work Term 4
5	Study Term 7	Study Term 8	

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

Year 3, Work Term 1 (Fall)

Year 3, Study Term 5 (Winter)

- MECH 3010.03 Machine Design: Loading of Components
- MECH 3500.03 Dynamics of Machines
- MECH 3805.03 Mechanical Engineering Thermodynamics
- CPST 3030.03 Engineering in Society II
- ENGM 3356.03 Numerical Methods and Partial Differential Equations
- MATL 3500.03 Materials Engineering

Year 3, Work Term 2 (Summer)

Year 4, Study Term 6 (Fall)

- MECH 3020.03 Machine Design: Power Components
- MECH 3305.03 Fluid Mechanics
- MECH 3660.03 Finite Element Method in Mechanical Design
- MECH 3705.03 Heat Transfer
- MECH 3900.03 Systems I
- Humanities Course*

Year 4, Work Term 3 (Winter)

Year 4, Work Term 4 (Summer)

Year 5, Study Term 7 (Fall)

- MECH 4015.05 Design Project I
- MECH 4300.03 Stress Analysis
- MECH 4600.03 Engineering Measurements
- MECH 4805.03 Thermo-Fluid Engineering III
- Technical Elective I

Year 5, Study Term 8 (Winter)

- MECH 4025.05 Design Project II
- MECH 4500.03 Vibrations
- MECH 4900.03 Systems II
- Technical Elective II
- Technical Elective III

*Humanities Course

Refer to general Engineering section for details.

Non Co-op Program

The students who choose the Non Co-op Program follow the schedule below:

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE

3	Study Term 6	Study Term 5	FREE
4	Study Term 7	Study Term 8	

Non co-op students take the same academic program as the co-op students; however, Study Term 6 may be taken before Study Term 5 if desired. In this way, the program can be done in a total of four years.

Technical Elective Courses

- MECH 4000.03 Manufacturing
- MECH 4340.03 Energy Management I
- MECH 4430.03 Turbomachines
- MECH 4440.03 Principles of Marine Craft Design
- MECH 4444.03 Mechatronics
- MECH 4450.03 Marine Craft Design and Construction
- MECH 4521.03 Applied Dynamics
- MECH 4530.03 Mechanics of Composite Materials
- MECH 4540.03 Aerodynamics
- MECH 4560.03 Space Systems
- MECH 4631.03 CAD/CAM
- MECH 4638.03 Computer Aided Toler. & Dimensioning
- MECH 4640.03 Robotics
- MECH 4650.03 Biomechanical Engineering
- MECH 4652.03 Kinematics of Human Motion
- MECH 4660.03 Finite Element Method in Mechanical Design
- MECH 4810.03 Energy Conversion Systems
- MECH 4820.03 Energy from Renewable Resources
- MECH 4830.03 Reciprocating Internal-Combustion Engines
- MECH 4840.03 Steam Plant Engineering
- MECH 4851.03 Heating, Ventilating & Air Conditioning
- MECH 4880.03 Introduction to Nuclear Engineering
- MECH 4910.03 Fluid Power
- MECH 4950.03 Advanced Control Engineering
- MECH 4960.03 Computational Methods in Engineering

NOTES:

1. Not all of these courses will be offered every year.
2. Seniors may take one graduate course as a technical elective with the permission of the undergraduate advisor of the Mechanical Engineering department and the professor offering the course.
3. Seniors may take one technical elective from another engineering department at Dalhousie with the permission of the undergraduate advisor of the Mechanical Engineering department and the professor offering the course.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

MECH 3010 Machine Design: Loading of Components

CREDIT HOURS: 3

The application of basic methods and concepts of strength of materials to machine design including design concepts, stress, and theories of failure is developed. Topics

include: load analysis, materials, static stresses, strain and deflection, failure, impact, fatigue, surface damage. Applications include: screw fastenings, springs.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 2100.03 or ENGI 2203.03, ENGI 2400.03

MECH 3020 Machine Design: Power Components

CREDIT HOURS: 3

The use of engineering principles in the design of machine power components is developed. Topics include: Lubrication and sliding bearings, roller bearings, spur gears, helical, bevel and worm gears, shafts, clutches and brakes, power transmissions such as belts and chains.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 2100.03 or ENGI 2203.03, ENGI 2400.03

MECH 3305 Fluid Mechanics

CREDIT HOURS: 3

This course presents the dynamic governing equations of fluid flow in differential forms: continuity, Navier-Stokes and energy. Concepts of stream function, vorticity and velocity potential are also introduced. The physics and modeling of Turbulence in fluid systems is shown. The boundary layer theory is shown and flow past immersed bodies are studied: concepts of drag and lift forces are presented. Compressible flow is introduced: speed of sound, nozzle and diffuser, shock waves, Rayleigh and Fanno flow are all studied.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03, ENGI 2103.03

MECH 3500 Dynamics of Machines

CREDIT HOURS: 3

The course focuses on design of mechanism, their motion, static and dynamic loads, and power transmission. It includes planar and spatial 4-bar and 6-bar linkages, cam mechanisms, gear trains, rotor systems, and manipulators. Linkage inversion, transformation, and synthesis are used for design of new mechanisms. Graphic, analytical, computer, and physical modeling techniques are used. Many real life mechanisms are analyzed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2400.03, MECH 2100.03, or ENGI 2203.03, ENGM 1041.03, ENGI 1400.03 or PHYC 1280.03

MECH 3660 Finite Element Method in Mechanical Design

CREDIT HOURS: 3

This course deals with the application of the finite element method to stress analysis problems encountered in mechanical design. Introduction to the finite element method is followed by extensive applications to the design of machine and structural components. Mechanical and thermal stresses in trusses, beams, axisymmetric, shell, and 3D solid elements are considered. Professional finite element modeling best practices are discussed. A finite element pre-processor, code, post-processor are introduced and used in the course assignments.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2400.03

MECH 3705 Heat Transfer

CREDIT HOURS: 3

This course is an introduction to the three modes of heat transfer: conduction, convection and radiation. Topics covered in conduction include steady-state and transient conduction, in one and two-dimensional system, and the study of extended surfaces. Force and free convection for internal and external flows are examined. The fundamentals of radiation heat transfer are covered, including blackbody radiation, gray surfaces, Kirchhoff's law and radiation exchange between surfaces.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03, ENGI 2103.03

MECH 3805 Mechanical Engineering Thermodynamics

CREDIT HOURS: 3

This course builds on the thermodynamics concepts presented in Thermo-Fluid Engineering I. Introductory concepts of cycles, processes, heat and work are reviewed.

The first and second law of thermodynamics are applied to open and closed systems, both steady-state and transient processes. Availability and exergy analysis are presented. Vapour and gas power and refrigeration cycles are studied; absorption refrigeration cycles and refrigerants are also discussed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03, ENGI 2103.03

MECH 3900 Systems I

CREDIT HOURS: 3

The course deals with the analysis of dynamic physical systems. Ordinary-differential-equation models are developed for mechanical, thermal, fluid and electrical systems. System equations are solved using classical methods and Laplace-transform techniques. S-plane characteristics are introduced, as are block-diagram & state-space representations. Systems are simulated by digital computer in the laboratory portion.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGM 2021.03 or ENGM 2022.03, ENGM 1081.03 or ENGM 2081.03

MECH 4000 Manufacturing

CREDIT HOURS: 3

The course starts with a manufacturing process overview and a detailed process study in the following areas: manual assembly, machining, injection molding,

thermoforming and casting. A relationship between process and design is examined and design for manufacturing methodologies is introduced. Quality control and quality assurance issues are overviewed. The principles of cell design for assembly and machining are introduced and part redesign for process and system is studied.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MECH 3020.03

MECH 4015 Design Project I

CREDIT HOURS: 5

This course provides a project-based exercise in the engineering design process in a real world engineering context. Students work in teams and are expected to take the project from its preliminary stage through the design stages to the ultimate completion of the design including: technical reports with calculations, engineering drawings, peer evaluation, oral presentations and possibly a physical prototype or model.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MECH 3010.03 or MECH 3020.03

MECH 4025 Design Project II

CREDIT HOURS: 5

This course is a direct continuation of Design Project I leading to the implementation of the student team design. All projects involve evaluation/testing of student designs, this is usually done via a constructed physical prototype or a model. Students produce a final technical report, conduct peer evaluations and give a formal presentation.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: MECH 4015.05

MECH 4300 Stress Analysis

CREDIT HOURS: 3

Course topics include: general state of stress, equilibrium equations, stress-strain-temperature relations, plane stress, axisymmetrical stress problems, thick cylindrical pressure vessels, rotating disks, bending of rectangular and circular plates, torsion of non-circular members, membrane analogy, thin-walled hollow sections, non-symmetrical bending, properties of cross-sections, shear center, composite beams, plastic hinge. Energy Methods, Castigliano's and theorems, statically indeterminate problems.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: ENGI 2200.03

MECH 4340 Energy Management I

CREDIT HOURS: 3

The purpose of this course is to introduce the concepts and techniques of energy management and conservation. The subjects that will be discussed are energy supply and demand, energy pricing, scope of the energy problem and approaches to provide solutions; energy auditing; improving energy utilization in space conditioning, and steam, hot water and compressed air systems; insulation; and electrical energy conservation. An interdisciplinary approach will be employed in this course to provide a wider understanding of the subject.

FORMAT: Lecture| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MECH 3300.03 or MECH 3305.03, MECH 3700.03 or MECH 3705.03, MECH 3800.03 or MECH 3805.03
CROSS-LISTING: MECH 6340.03

MECH 4430 Turbomachines

CREDIT HOURS: 3

Various types of turbomachines, from wind turbines to high-ratio compressors are studied. Although hydraulic pumps and turbines are treated, the majority of the class time is devoted to compressible flow turbomachines and their characteristics. Emphasis is placed on practical design and performance parameters.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3

MECH 4440 Principles of Marine Craft Design

CREDIT HOURS: 3

This course covers the fundamentals of hydrostatics and hydrodynamics of marine craft. Topics include: hydrostatics and stability calculations for marine craft; dimensional analysis and modelling of marine systems; resistance estimation of low-speed and high-speed craft; sail power, marine propellers and jet propulsion; directional stability and control and wave theory and motion in waves.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MECH 3300.03 or MECH 3305.03

MECH 4444 Mechatronics

CREDIT HOURS: 3

This course deals with the integration of mechanical, electrical, computer and control engineering which is increasingly becoming an important part of engineering design. Topics include Mechanical and Electrical Actuation Systems, Sensors, and Signal Conditioning, Microprocessors and Programming and Control. A major part of the course is project-based enabling students to apply the concepts studied in the course.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MECH 3900.03, MECH 3020.03
EXCLUSIONS: BIOE 4312.03

MECH 4450 Marine Craft Design and Construction

CREDIT HOURS: 3

This course deals with design and construction methods for marine craft. Each student completes a preliminary design of a small marine vessel. Topics include: engineering and economic principles governing selection of dimensions and coefficients for marine craft, computer-aided design, design and generation of hull forms, performance and operability in the ocean environment, construction methods for glass-fibre, wood, aluminum and steel marine craft, and structural analysis and design.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 4440.03 or instructor's consent

MECH 4500 Vibrations

CREDIT HOURS: 3

Single and multiple degree of freedom lumped parameter systems subjected to harmonic and transient excitation are examined. Analytical as well as numerical solutions are covered. Vibrations of continuous systems such as beams and shafts are introduced. Laboratory experiments deal with vibration of lumped parameter physical models as well as vibrations of rotating machinery. Vibration control in industrial applications is emphasized and the effects of whole body vibration on humans is treated as a safety issue.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3500.03, MECH 3900.03

MECH 4510 Mechanics of Composite Materials

CREDIT HOURS: 3

The course introduces classification of composite materials, fabrication processes and applications of composites; the basic relations of elasticity of anisotropic materials, and the macro- and micromechanical modeling of composites. The elastic behaviour of laminated and fibre-reinforced composites is studied; the effective moduli theory and the strength of composite materials are considered. Smart composite structures and their constituents are introduced.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3010.03 and MECH 4300.03

CROSS-LISTING: MECH 6530.03

MECH 4521 Applied Dynamics

CREDIT HOURS: 3

This course begins with a review of planar kinematics and kinetics of rigid bodies. These concepts are extended to kinematics and kinetics of rigid bodies undergoing general three dimensional motion. Euler's Equations are applied to a wide range of engineering problems including vehicular and gyroscopic dynamics. Energy methods for bodies undergoing three dimensional motion are applied to multi-degree-of-freedom systems. Single-degree-of-freedom systems subjected to random and shock inputs are analyzed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: MECH 6521.03

MECH 4530 Acoustics

CREDIT HOURS: 3

The class introduces classification of composite materials, fabrication processes and applications of composites; the basic relations of elasticity of anisotropic materials, and the macro- and micromechanical modeling of composites. The elastic behaviour of laminated and fibre-reinforced composites is studied; the effective moduli theory and the strength of composite materials are considered. Smart composite structures and their constituents are introduced

MECH 4540 Aerodynamics

CREDIT HOURS: 3

The course deals with the fundamentals of aerodynamics and the theory of flight. Material covered includes: the standard atmosphere; airfoil coefficients and section properties; finite wings and induced drag; airplane performance - power required, rate of climb, range and endurance; basics of stability and control.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3300.03 or MECH 3305.03

MECH 4560 Space Systems

CREDIT HOURS: 3

This course deals with the engineering design and analysis of space systems and their interrelationships. Topics include orbital mechanics, satellite perturbations, satellite actuator and sensor systems, satellite access and coverage.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3900.03

CROSS-LISTING: MECH 6560.03

MECH 4600 Engineering Measurements

CREDIT HOURS: 3

The static and dynamic characteristics of first and second order transducers and measurement systems are examined. The experimental versus theoretical approach to engineering problems is studied. Topics include data acquisition, analysis, and presentation, including the probabilistic nature of engineering measurements. The course is laboratory intensive covering measurements of force, strain, temperature, pressure, velocity, and fluid flow. Computers are used extensively in the laboratory experiments.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGM 2032.03

MECH 4631 CAD/CAM - Computer Aided Design/Computer Aided Manufacturing

CREDIT HOURS: 3

The student is introduced to the concept of automation with application to design, production, and manufacturing systems. The use of digital computers is considered in design, including peripheral equipment and types of languages. Other topics include numerical control manufacturing systems such as Direct Numerical Control (DNC), Computer Numerical Control (CNC), Adaptive Control and Industrial Robots. Due to the diverse nature of the course content, various personnel from both the academic and industrial community aid in the class presentation.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3020.03

MECH 4638 Computer Aided Tolerancing and Dimensioning

CREDIT HOURS: 3

This course deals with dimensioning and mechanical tolerances to international standards - key factors in quality production. Topics covered include: review of basic manufacturing processes and tools, fundamental dimensioning and tolerances techniques, working and assembly drawings, CAD/CAM drawings for computer numerical control, geometric and positional tolerancing, quantity production, parts assembly, quality control and application of statistical and probabilistic methods. Biweekly assignments requires use of Auto-CAD, interactive computer programs for geometrical dimensioning/tolerancing, and a Coordinate Measuring Machine (CCM).

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3010.03, MECH 3020.03

MECH 4640 Robotics

CREDIT HOURS: 3

The prime objective of the course is to provide a survey of the state-of-the-art in robotics. A large portion of the course is focused on the robot hardware. However, robotics in an inherently interdisciplinary field and the course will also involve robotics control and application. Topics covered include kinematics and dynamics of the robot arm and gripper, drives, robot position measuring systems, external sensors and feeding, storage, changing position and clamping devices, all of which, together with the robot itself, constitute a "robotized" workplace.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3500.03, MECH 3900.03

CROSS-LISTING: BIOE 4011.03

MECH 4650 Biomechanical Engineering

CREDIT HOURS: 3

Engineering analysis of biological systems provides novel insight into evolutionary design of animals and plants and into the intelligent design of medical devices. This course examines the structure and function of the cardiovascular, pulmonary, and musculoskeletal systems using tools from solid and fluid mechanics. Topics include the heart as a pump, blood flow, arterial pulse propagation, the mechanics of breathing lung elasticity, muscle contraction, tissue mechanics, basic skeletal design, locomotion, and engineering of surgical implants.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

MECH 4652 Kinematics of Human Motion

CREDIT HOURS: 3

The science of biomechanics is based on mechanical models and biological experiments. Students will explore the application of classical mechanics to the analysis of human motion related to athletics, orthopaedics, and rehabilitation. Emphasis is also placed on numerous experimental facts collected from the biomechanical research literature. Topics include kinematic geometry of a single body, the description of joint configuration, and differential kinematics of biokinematic chains. Three-dimensional kinematics of individual joints (i.e., the knee, hip and elbow) is emphasized from the perspective of total joint replacement design.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

MECH 4660 Finite Element Method in Mechanical Design

CREDIT HOURS: 3

Class deals with the application of the finite element method to stress analysis problems encountered in mechanical design. Introduction to the finite element method is followed by the necessary relationships from linear elasticity, beam and plate theory. Various categories of structural elements are discussed in order of increasing complexity. Stresses in one- and two-dimensional trusses, beams, axisymmetric solids, and plates are considered. Finite element program is introduced and used in the course assignments.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2200.03 or ENGI 1202.03, ENGM 3352.03 or ENGM 3356.03

CROSS-LISTING: MECH 6660.03

MECH 4805 Thermo-Fluid Engineering III

CREDIT HOURS: 3

This course builds on the thermodynamics concepts presented in Thermo-Fluid Engineering I. Introductory concepts of cycles, processes, heat and work are reviewed. The first and second law of thermodynamics are applied to open and closed systems, both steady-state and transient processes. Availability and energy analysis are presented. Vapour and gas power and refrigeration cycles are studied; absorption refrigeration cycles and refrigerants are also discussed.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3705.03, MECH 3305.03, MECH 3805.03

MECH 4810 Energy Conversion Systems

CREDIT HOURS: 3

Application of basic principles of thermodynamics, fluid mechanics and heat transfer to the analysis and synthesis of energy conversion systems are studied. Primary energy sources and global energy demand are examined. Principles of conventional methods, thermal systems, fuel types, combustors, and gas turbines, initial planning of a hydroelectric power plant, selection of turbines and other components, nuclear fission and fusion, clean energy production, and environmental aspects of energy

production are covered.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3300.03 or MECH 3305.03, MECH 3700.03 or MECH 3705.03, MECH 3800.03 or MECH 3805.03, ENGI 2103.03 or ENGI 2300.03

MECH 4820 Energy from Renewable Resources

CREDIT HOURS: 3

This course concentrates on the theoretical and practical aspects of solar, wind, tidal and wave sources of energy with particular emphasis on their availability and use in the Atlantic Provinces. Design feasibility studies are undertaken on particular aspects of energy conversion from these sources. The impact of the environment of consumption of conventional energy forms is investigated. The nature and magnitude of energy consumption world-wide and locally is considered.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3700.03 or MECH 3705.03

MECH 4830 Reciprocating Internal-Combustion Engines

CREDIT HOURS: 3

The major topics of this course are basic engine types, test methods and pressure measurements, combustion, ideal cycles and model processes, equilibrium charts, fuel specifications and tests, engine knock, exhaust analysis, fuel systems, ignition systems, engine performance and supercharger matching. Hands-on laboratory work is an integral part of this course.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3800.03 or MECH 3805.03

MECH 4840 Steam Plant Engineering

CREDIT HOURS: 3

This course aims to provide basic fundamental and practical information to engineering students to design and operate thermal power plants. The following topics are covered: classification of steam generators; comparison of water tube and fire tube boilers; energy sources: nuclear and fossil fuel; fuels and combustion; thermal analysis of furnaces, superheaters, economizers, and air pre-heaters; boiler efficiency calculations; description of different types of heat exchangers; evaporators and condensers; steam generation systems: Pulverized, Cyclone, Fluidized beds; auxiliary equipment (fans, stacks); control system; cooling system design; environmental considerations.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03 or ENGI 2800.03

MECH 4851 Heating, Ventilating and Air Conditioning

CREDIT HOURS: 3

This is an introduction to the design of thermal systems for indoor climate control. The major topics include: human comfort requirements, outdoor climate variables, heating and dehumidification loads, cooling and dehumidification loads, ventilation requirements and criteria, central system types and selection, energy sources and costs, piping, pumps, ducts, fans, and control systems. Computer programs will be introduced for design calculations involving heating and cooling load, piping, ducting and energy consumption.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3305.03 or MECH 3800.03

MECH 4880 Introduction to Nuclear Engineering

CREDIT HOURS: 3

The purpose of this course is to introduce the concepts of nuclear engineering and the resulting applications. The subjects that will be discussed are the fundamentals of particle physics: proton, neutron, electron, photon and neutrino, and the atomic model; radioactivity and radiation detection, protection and shielding; principle of nuclear energetic: fission and fusion; nuclear reactor kinetics and control; nuclear reactor design and cooling; nuclear propulsion, nuclear waste disposal.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3700.03 or MECH 3705.03, MECH 3800.03 or MECH 3805.03

MECH 4900 Systems II

CREDIT HOURS: 3

Response characteristics of open loop and feedback control systems are studied. Various controller types and their uses are analyzed. Techniques such as root-locus diagrams and Bode & Nichols plots are used for stability and performance evaluation. Digital simulations and experiments on computer-based control systems are done in the laboratory portion.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3900.03

MECH 4910 Fluid Power

CREDIT HOURS: 3

This is an introductory course to fluid power systems covering the principles of power hydraulics, hydraulic fluids, hydraulic actuators and power generation transducers. The concept of pressure controls, volume controls and directional controls is also covered, including an introduction to electro-hydraulic servos and the design of basic open and closed-center circuits. The time domain analysis of feedback systems is introduced. The student is introduced to the design and compensation of systems using both s-plane and time domain methods. Other topics include simulation and analysis of control systems using graphics terminal computer facilities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

MECH 4950 Advanced Control Engineering

CREDIT HOURS: 3

The course develops the students' capabilities in system simulation and feed forward/feedback control-system design and implementation. Topics include: system-parameter identification, control-system hardware, computer-based control systems, design techniques for multiple-input multiple-output systems, and adaptive control. The course is supported by computer-based simulation activities and design procedures, and by hands-on laboratory experience.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MECH 3900.03

CROSS-LISTING: MECH 6950.03

MECH 4960 Computational Methods in Engineering

CREDIT HOURS: 3

The course presents basic computer methods of application of mathematical tools to solve engineering problems. Numerical methods such as finite differences, series expansions, and numerical integration are introduced. Numerical solutions of ordinary and partial differential equations with applications to equilibrium, eigenvalue and propagation problems in engineering are considered. Application of mathematical libraries, X-window system and the software tools associated with the Unix system are included.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGM 3356.03 or ENGM 3361.03

CROSS-LISTING: MECH 6960.03

Mineral Resource Engineering

Location:

Building/Room: Sexton Campus

Street Address 1: 1360 Barrington Street

Street Address 2: Room D215

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3960

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Website: www.dal.ca/faculty/engineering/civil-resource.html

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Introduction

The Mineral Resource Engineering Program concentrates on the technical, environmental and economic aspects of the extraction and processing of the Earth's mineral resources. Students can pursue options in mineral resource engineering, petroleum engineering and mineral processing.

The main employers for Mineral Resource Engineering graduates are the mineral resource industries, oil and gas industries, financial and government institutions, consulting companies, mining equipment manufacturers and dealerships, marketing mine service companies, mineral investment and financial institutions, and research and teaching institutions. The development of an analytical attitude, team work and communication skills are important aims of the Mineral Resource Engineering Program. Participation in field trips to mining and petroleum operations in the Maritime region is a degree requirement and each student is required to share costs.

Opportunity also exists to continue in the MASc, MEng, and PhD programs for those who would like to specialize in areas of Mineral Extraction, Mineral Processing and Petroleum Engineering at Dalhousie.

Curriculum and course descriptions

Refer to sections IIB and IIIB, Mineral Resource Engineering Programs, in the Civil and Resource Engineering section.

Staff

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Process Engineering and Applied Science

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Introduction

The Department of Process Engineering and Applied Science prepares students for professional careers in a wide range of fields related to the process industries. Process science and engineering is concerned with the development of new materials and processes to meet the specific needs to develop a given product. A process engineer could be working in research and development on the creation of added-value products or in an industrial setting on modification and optimization of existing processes, systems and process equipment to improve their safety, quality, cost effectiveness with special attention to environmental protection and sustainability.

Process Engineering graduates are actively being employed in the bioprocess industry (food, fiber, pharmaceutical, ...), materials process industry (metals, ceramics, composites, ...), petrochemical process industry (oil, gas, plastics, ...), energy engineering (energy efficiency, renewable sources ...), and several others.

The Department of Process Engineering and Applied Science currently offers three undergraduate professional degree programs to meet the needs of the increasing types and numbers of process industries as well as a BSc minor in Food Sciences. The degree programs are:

1. BEng in Chemical Engineering, co-op and non co-op programs
2. BEng in Environmental Engineering, co-op and non co-op programs
3. BEng in Materials Engineering, co-op and non co-op programs.

For a description of each of the above programs, admission requirements and more information on the opportunities for employment, refer to individual program listings in the Faculty of Engineering section of this calendar.

Opportunities exist within the Department for graduate studies and research leading to the master and doctorate degrees. Consult the Graduate Calendar, Dalhousie University for more details on these graduate programs.

Staff

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Caley, W. F., BSc (Eng), MSc (Eng) (Queen's), PhD (Toronto), PEng
Chen, B. H., BSc (Nat. Taiwan), MEng, PhD (McGill), PEng
Ghaly, A. E., BScEng, MScEng (Alex), PhD (McGill), PEng
Hancock, H. A., BAsC, MAsC, PhD (Toronto), PEng
McMillan, A. F., BSc, MSc (Queen's), PhD (MIT), PEng
Watts, K. C., BSA, MSc (Guelph), PhD (Wat), PEng

Professors

Amyotte, P. R., BEng (RMC), MSc (Eng) (Queen's), PhD (TUNS), PEng
Bishop, D. P., MAsC, PhD (TUNS), PEng
Gill, T. A., BSc, MSc (Guelph), PhD (UBC)
Paulson, A. T., BSc (Agr), MSc, PhD (UBC)
Pegg, M. J., BSc, PhD (Leeds), PEng
Plucknett, K. P., BSc, PhD (Warwick)
Speers, R. A., BSc (Agr), MSc, PhD (UBC)
Truelstrup Hansen, L., Cand. brom., PhD
Yemenidjian, N. B., BEng, PhD (Concordia), PEng

Associate Professors

Budge, S. M., BSc (Acadia), PhD (MUN) (Undergraduate Program Coordinator, Food Science)
Brooks, S. L., BTech (Hons) (Massey), PhD (Cambridge) (Undergraduate Program Coordinator, Environmental Engineering)
Farhat, Z., BAsC, MAsC, PhD (Windsor), PEng (Undergraduate Program Coordinator, Materials Engineering)
Ghanem, A., BSc, Eng (UNB), PhD (Cornell), PEng (Undergraduate Program Coordinator, Chemical Engineering)
Jamieson, R., BEng (TUNS), MAsC (Dalhousie), PhD (Guelph), PEng
Mazzanti, G., BSc (U de America), MSc, PhD (Guelph)

Assistant Professors

Donaldson, A., BAsC, MAsC, PhD (Ottawa), PEng
Gibson, M., BA (Sheffield Hallam), MSc, PhD (Strathclyde) (Coordinator, Graduate Programs)
Haelsig, J., BAsC, PhD (Ottawa), EIT (Departmental Co-op Co-ordinator)
Jarjoura, G., BEng (TUNS), MAsC, PhD (Dalhousie), PEng
Kermanshahi Pour, A., BSc (Ferdowsi), MSc (Western Ontario), PhD (McGill)
MacIntosh, A., BEng, MAsC, PhD (Dalhousie)

Adjunct Professors

Al Taweel, A. M., BSc (Alexandria), MSc, PhD (Colorado), PEng
Armenta, R., BEng (Sonora), MSc, PhD (Mexico)
Ben Abdallah, N., BSc (Texas, A&M), MAsC, PhD (UBC), PEng
Bezanson, G., BSc (Mt. A), MSc (Dalhousie), PhD (Carlton)
Blouin, S., BAsC (Laval), MAsC (Ecole Polytechnique), PhD (Queen's)
Brooks, S., BSc, MS (Brock U), PhD (Michigan State U)
Clyburn, J., BSc (Hons) (Acadia), PhD (Dalhousie)
Conlon, M., BSc (Flinders U, Australia), PhD (U of Adelaide, Australia)
Craig, S. S., BSc (Hons), PhD (Strathclyde)
Donaldson, L., BSc (Michigan), MSc (Worcester)
Gillis, M., BSc, MSc (UNB), PhD (U of Saskatoon)
Gordon, R., BSc, MSc (McGill), PhD (Guelph), PEng, PAg
Hart, W., BA (Ohio Wesleyan), PhD (Dalhousie)
Hopkinson, C., BSc (Manchester), MES (Waterloo), PhD (Laurier)
Jin, Y., BSc (Yangzhou), MSc, PhD (Dalhousie)
Kalmokoff, M., BSc (Guelph), MSc (Saskatchewan), PhD (Queen's)
Khan, F., BSc Engg (Aligarh Muslim U), ME (U of Roorkes), PhD (Pondicerry U)
Lake, J., BSc, PhD (Dalhousie)
MacIntosh, A., BEng, MAsC, PhD (Dalhousie)
MacKinnon, S., BSc (Hons) (UNB), MSc (Dalhousie), PhD (Ottawa)
Madani, A., BSc (Pahlavi U, Iran), MSc (UBC), PhD (Washington State U)

Marette, A., BSc, MSc (U de Montreal), PhD (Laval)
Miadonye, A., BSc (U of Southbank UK), PhD (Loughborough Univ UK)
Newling, B., BA, PhD (Cambridge, UK)
Patterson, R. N., BSc (RMC), BAsC (Toronto), MASc (TUNS), PhD (Dalhousie)
Pink, D., BSc (Hons) (St. FX), PhD (UBC)
Ripley, R., BASc, MASc, PhD (Waterloo)
Ritter, J., BASc, PhD (Dalhousie)
Wilkie, K., BEng (RMC), MEng (NSTC), PhD (TUNS)
Wright, B., BDS (London, UK), MSc (Indiana), MD, FRCPC (Dalhousie)
Yost, C., BSc (Victoria), PhD (Calgary)

Cross Appointment

Corbin, S. C., MASc (TUNS), PhD (McMaster), PEng
Dahn, J. R., BSc (Dalhousie), MSc, PhD (UBC)

Instructor

Hastie, M., BASc, MASc (Ottawa), EIT

Engineering in Residence

Lea, K.

Chemical Engineering

Chemical Engineering offers two versions of the BEng Program:

1. Co-op Program
2. Non Co-op Program

Co-op Program

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Work Term 1	Study Term 5	Work Term 2
4	Study Term 6	Work Term 3	Work Term 4
5	Study Term 7	Study Term 8	

Years 1 and 2 follow the core program outlined in the Engineering section.

Year 3, Work Term 1 (Fall)

Year 3, Term 5 (Winter)

- CHEE 3522.03 Mechanical Unit Operations
- CHEE 3525.03 Separation Processes
- CHEE 3544.03 Computer-Aided Process Design
- PEAS 2203.03 Organic Chemistry for Process Engineers
- PEAS 3500.03 Process Thermodynamics

Year 3, Work Term 2 (Summer)

Year 4, Term 6 (Fall)

- CHEE 3601.03 Thermal Unit Operations
- CHEE 3634.03 Chemical Reaction Engineering
- ENGM 3052.03 Applied Numerical Methods
- MATL 3500.03 Materials Engineering
- PEAS 3600.03 Transport Phenomena
- PEAS 3700.03 Law & Ethics in Process Engineering

Year 4, Work Term 3 (Winter)

Year 4, Work Term 4 (Summer)

Year 5, Term 7 (Fall)

- CHEE 4702.03 Unit Operations Lab I
- CHEE 4703.03 Process Dynamics & Control
- CHEE 4704.03 Separation Processes II
- CHEE 4741.03 Process and Plant Design I
- CHEE 4773.03 Industrial Safety & Loss Management
- Technical Elective I

Year 5, Term 8 (Winter)

- CHEE 4802.03 Unit Operations Lab II
- CHEE 4803.03 Oil and Gas Processing
- CHEE 4842.03 Process and Plant Design II
- MATL 4840.03 Corrosion and Degradation of Materials
- Technical Elective II
- Technical Election III

Technical Electives

This list is not exhaustive, nor does it imply that each course will be offered every year. Students should check with the Undergraduate Program Co-ordinator.

- BMNG 5010.03 Introductory Physiology for Biomedical Engineering
- BMNG 5020.03 Cell Biology for Biomedical Engineering
- BMNG 5030.03 Pathobiology for Biomedical Engineering
- BMNG 5040.03 Introduction to Biomedical Engineering
- BMNG 5110.03 Biocompatibility and Biomaterials Design
- BMNG 5150.03 Introduction to Tissue Engineering
- BMNG 5160.03 Bioeng in Ortho. & Dent
- BMNG 5210.03 Biomed Instrumentation, Data Acquisition & Analysis
- BMNG 5230.03 Biomedical Signals
- BMNG 5260.03 Principles of Medical Imaging
- ENVE 3251.03 Envir and Ind Microbiology
- ENVE 3500.03 Air Quality
- ENVE 3461.03 Environmental Measurement and Analysis
- ENVE 4342.03 Industrial Biotechnology
- ENVE 4432.03 Waste Management
- ENVE 4411.03 Indoor Env Control and Air Quality
- ENVE 4612.03 Waste Disposal and Utilization
- ENVE 4772.03 Environmental Assessment and Management
- ENVE 4872.03 Air Pollution
- CHEE 4791.03 Research Project I

- CHEE 4892.03 Research Project II
- CHEM 3305.03 Materials Science
- CHEM 4502.03 Polymer Science
- CHEM 5303.03 Physical Properties of Materials
- CIVL 4440.03 Water and Wastewater Treatment
- CIVL 4460.03 Solid Waste and Landfill Engineering
- CIVL 6101.03 Advanced Strength of Materials
- CIVL 6147.03 Advanced Theory of Structures
- CIVL 6148.03 Application of Finite Element Method I
- CIVL 6149.03 Application of Finite Element Method II
- CIVL 6153.03 Fibre-Reinforced Plastics
- ECED 3204.03 Microprocessors
- ECED 4601.03 Digital Control Systems
- ECED 4760.03 Biomedical Engineering
- ENVI 5001.03 Environmental Assessment
- ENVI 5010.03 Introduction to Environmental and Occupational Health
- EARTH 5270.03 Applied Geophysics
- FOSC 3070.03 Food Processing
- FOSC 4081.03 Brewing Science
- IENG 4432.03 Simulation of Industrial Systems
- IENG 4529.03 Industrial and Organizational Psychology
- IENG 4547.03 Company Operations and Management
- IENG 4558.03 Project Management and Control
- IENG 4574.03 Decision and Risk Analysis
- IENG 4578.03 Organizational Aspects of Quality Management
- MECH 4340.03 Energy Management
- MECH 4600.03 Engineering Measurements
- MECH 4650.03 Biomechanical Engineering
- MECH 4810.03 Energy Conversion Systems
- MECH 4820.03 Energy from Renewable Resources
- MECH 4851.03 Heat/Vent./Air Conditioning
- MECH 4950.03 Advanced Control Engineering
- MECH 6510.03 Advanced Mechanics of Solids
- MATL 3621.03 Mechanical Behaviour of Materials
- MATL 4710.03 Ferrous Alloys
- MATL 4720.03 Industrial Process of Materials
- MATL 4820.03 Non-Metallic Materials
- MATL 4830.03 Non Ferrous Alloys
- MATL 4826.03 Physical Metallurgy and Ceramics
- MATL 6010.03 Introduction to Transmission Electron Microscopy
- MATL 6011.03 Introduction to the SEM and Microprobe
- MATL 6030.03 Fracture of Metallic Materials
- MINE 3530.03 Mineral Processing
- MINE 3620.03 Petroleum Engineering
- MINE 6008.03 Advanced Petroleum Engineering
- MINE 6009.03 Offshore Drilling and Production
- MINE 6010.03 Solid-Liquid Separation
- PETR 6010.03 Petroleum Reservoir Engineering
- PETR 6030.03 Natural Gas Reservoirs
- PETR 6040.03 Drilling Engineering
- PETR 6050.03 Production Technology

Notes:

1. Seniors may take a postgraduate course as a Technical elective with the approval of the Undergraduate Program Coordinator and the professor offering the course.
2. Not all technical electives are available each year and other elective courses may be available. Please check with the department prior to registration.

Non Co-op Program

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 6	Study Term 5	FREE
4	Study Term 7	Study Term 8	

Non co-op students take the same academic program as the co-op students; however, Term 6 may be taken before Term 5 if desired. In this way, the program can be done in a total of four years.

Environmental Engineering

Environmental Engineering offers two versions of the BEng Program:

1. Co-op Program
2. Non Co-op Program

Co-op Program

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Work Term 1	Study Term 5	Work Term 2
4	Study Term 6	Work Term 3	Work Term 4
5	Study Term 7	Study Term 8	

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

During their senior year, Environmental Engineering students can specialize in one or more of the following areas: Air Quality and Pollution Control, Energy and the Environment, Soil and Water Quality and Management, and Waste Utilization and Management.

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

Year 3, Work Term 1 (Fall)

Year 3 - Term 5 (Winter)

- CHEE 3522.03 Mechanical Unit Operations
- ENVE 3500.03 Air Quality
- ENVE 3251.03 Environmental & Industrial Microbiology
- MINE 2200.03 Introducing Geology for Engineers
- PEAS 3500.03 Process Thermodynamics
- PEAS 2203.03 Organic Chemistry for Process Engineers

Year 3, Work Term 2 (Summer)

Year 4, Term 6 (Fall)

- CIVL 3101.03 Soil Mechanics
- ENGM 3052.03 Applied Numerical Methods
- ENVE 3452.03 Soil and Water Engineering
- ENVE 3461.03 Environmental Measurements and Analysis
- PEAS 3600.03 Transport Phenomena
- PEAS 3700.03 Law & Ethics in Process Engineering

Year 4, Work Term 3 (Winter)

Year 4, Work Term 4 (Summer)

Year 5, Term 7 (Fall)

- CHEE 4773.03 Industrial Safety & Loss Management

- CIVL 4440.03 Water & Wastewater Treatment
- ENVE 4123.03 Environmental Biotechnology
- ENVE 4401.03 Design Project for Environmental Engineering I
- ENVE 4772.03 Environmental Assessment & Management
- Technical Elective

Year 5, Term 8 (Winter)

- CIVL 4410.03 Engineering Hydrogeology
- ENVE 4872.03 Air Pollution Control
- ENVE 4432.03 Waste Management
- ENVE 4402.03 Design Project for Environmental Engineering II
- Technical Elective

Environmental Engineering—Recommended Technical Electives

- CIVL 4100.03 Earth Slopes and Embankments
- CIVL 4111.03 Geotechnical Engineering
- CIVL 4350.03 Hydraulic Engineering
- ENGM 4675.03 Risk Assessment and Management OR IENG 4574 Decision and Risk Analysis
- ENVE 4000.03 Small Watershed Hydrology
- ENVS 4002.03 Science of Wetland
- ENVE 4411.03 Indoor Environmental Control
- ENVE 4612.03 Waste Disposal and Utilization
- ENVE 4641.03 Contaminant Fate and Transport
- EARTH 3402.03 Practical Hydrology
- EARTH 3440.03 Geomorphology
- EARTH 3500.03 Geoscience Information Management
- FOSC 3070.03 Food Processing
- FOSC 4091.03 Food Safety
- IENG 4500.03 Operations Research Methods
- IENG 4529.03 Industrial and Organizational Psychology
- IENG 4547.03 Company Operations and Management
- IENG 4558.03 Project Management and Control
- MECH 4880.03 Intro to Nuclear Engineering
- MINE 4815.03 Mining and Environment

Note: Technical electives from other departments may be selected subject to availability and approval by the departments concerned.

Not all technical electives will be offered every year.

Non Co-op Program

Sequencing

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 6	Study Term 5	FREE
4	Study Term 7	Study Term 8	

Non co-op students take the same academic program as the co-op students; however, Term 6 may be taken before Term 5 if desired. In this way, the program can be done in a total of four years.

Materials Engineering

Materials Engineering offers two versions of the BEng Program:

1. Co-op Program

2. Non Co-op Program

Co-op Program

Sequencing

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Work Term 1	Study Term 5	Work Term 2
4	Study Term 6	Work Term 3	Work Term 4
5	Study Term 7	Study Term 8	

Years 1 and 2 follow the core program outlined in the Engineering section of this calendar.

Year 3, Work Term 1 (Fall)

Year 3, Term 5 (Winter)

- Technical elective (for non co-op students instead of MATL 3500)
- MATL 3500.03 Materials Engineering
- MATL 3510.03 Extraction of Materials
- MATL 3520.03 Structure of Materials
- PEAS 2203.03 Organic Chemistry for Process Engineers
- PEAS 3500.03 Process Thermodynamics

Year 3, Work Term 2 (Summer)

Year 4, Term 6 (Fall)

- ENGM 3052.03 Applied Numerical Methods
- MATL 3500.03 Materials Engineering (for non Co-op students instead of Technical Elective)
- MATL 3600.03 Mechanical & Physical Behavior of Materials
- MINE 3530.03 Mineral Processing
- PEAS 3600.03 Transport Phenomena
- PEAS 3700.03 Law and Ethics in Process Engineering
- Technical Elective I

Year 4, Work Term 3 (Winter)

Year 4, Work Term 4 (Summer)

Year 5, Term 7 (Fall)

- CHEE 3634.03 Chemical Reaction Engineering
- CHEE 4773.03 Industrial Safety & Loss Management
- MATL 4700.03 Materials Design Project I
- MATL 4710.03 Ferrous Alloys & Joining of Materials
- MATL 4720.03 Industrial Processing of Materials
- Technical elective II
- Graduate Course I (for combined BEng/MASc Students Only)

Year 5, Term 8 (Winter)

- MATL 4800.03 Materials Design Project II
- MATL 4810.03 Materials Process Design
- MATL 4820.03 Non-Metallic Materials
- MATL 4830.03 Non-Ferrous Alloys
- MATL 4840.03 Corrosion and Degradation of Materials
- Technical Election III
- Graduate Course II (for combined BEng/MASc Students Only)

Year 5, Term 9 (Summer) (for combined BEng/MASc; Optional for BEng)

- Technical Elective I
- Technical Elective II
- Technical Elective III
- Graduate Course III (for combined BEng/MASc Students Only)

Non Co-op Program

Sequencing

Year	Fall	Winter	Summer
1	Study Term 1	Study Term 2	FREE
2	Study Term 3	Study Term 4	FREE
3	Study Term 6	Study Term 5	FREE
4	Study Term 7	Study Term 8	

Non co-op students take the same academic program as the co-op students; however, Term 6 may be taken before Term 5 if desired. In this way, the program can be done in a total of four years.

Combined BEng - MASc Program Guide

1. Program Entrance Requirements

To be eligible to enter the Combined BEng/MASc Program, a student must be able to demonstrate an overall average of 70% based on the subjects in the first three academic terms of the Materials Engineering Program.

Since the first two academic terms of the BEng and combined BEng/MASc Programs are common, students enrolled in the BEng Program may apply for entrance into the combined degree program at any time before the beginning of the seventh academic term.

2. Financial Support

All students accepted into the BEng/MASc Program will be eligible for financial assistance beginning at the start of the seventh academic term. The assistance will be spread over the remainder of the academic terms and may have a total value of approximately \$15,000.

Part of the financial assistance is derived from money obtained to further specific research objectives on which the student is expected to work for his or her Master's Thesis. The remainder of the financial support is normally derived from assigned duties as Part-Time Teaching Assistants. A course work Master's Program (MEng) can be followed but the amount of financial assistance will be considerably reduced.

3. Maintenance of Standing

In order to retain standing in the Combined BEng/MASc Program, students must continue to maintain an academic average of B-. Failing this, a student may obtain a BEng Degree only by completing the required courses, but will not be eligible for further financial assistance from the Department. However, on graduation should the student attain an average of B, he/she may be eligible to pursue graduate studies in the department.

4. Scholarships

Students in the Combined BEng/MASc Program are encouraged to apply for the usual scholarships and bursaries in order to partially augment the financial support received. Contact the Department for details.

5. Combined BEng/MASc Scheduling

The combined BEng/MASc Degree follows the program as indicated for the BEng with the addition of two academic terms as follows:

Year 6, Term 10 (Fall)

- Graduate Course IV
- Thesis

Year 6, Term 11 (Winter)

- Thesis

6. Technical Electives

Choose three:

- ENVE 4772.03 Environmental Assessment and Management
- IENG 4558.03 Project Management and Control
- IENG 4547.03 Company Operations and Management
- MATL 4805.03 Electrochemical Processing of Materials
- MATL 4806.03 Particulates in Materials Engineering
- MATL 4813.03 Iron and Steel Production
- MATL 4825.03 Solidification and Casting
- MATL 4826.03 Physical Metallurgy and Ceramics
- MECH 4330.03 Mechanical Design
- MECH 4650.03 Biomechanical Engineering
- MECH 4880.03 Introduction to Nuclear Engineering
- MINE 4830.03 Advanced Mineral Processing

Technical electives from other engineering departments may be selected subject to availability and approval by the departments concerned.

Not all technical electives will be offered every year.

Minor in Food Science for BSc Major or Honours

See Minors section.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Course Descriptions - Biological Engineering Series

BIOE 3051 Principles of Food Engineering

CREDIT HOURS: 3

This course presents principles of engineering and applications to food processing unit operations. This course is intended for primarily food science majors, and other non-engineering students. Topics covered are units and dimensions, unit operations in food processing, material balance, thermodynamics and energy balance, fluid flow, heat transfer, and mass transfer.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MATH 1280.03 and 1290.03, or ENGM 1011.03 and 1012.03, PHYC 1300X/Y.06

BIOE 4341 Food Science for Engineers

CREDIT HOURS: 3

This course introduces the fundamental chemical, nutritional and microbiological aspects of food processing. Emphasis is placed on food quality, deterioration and principles of its preservation. Topics covered include: constituents of food (properties, significance, and nutritive aspects); factors related to quality and deterioration; fats and oils; food additives; and the requirements for food preservation, packaging and storage.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOE 3251.03

BIOE 4351 Bioprocess Engineering

CREDIT HOURS: 3

This course focuses on the process design of unit operations involved in bioprocessing. Topics include fluid flow and mixing, transport phenomena in bioprocess systems, design and analysis of biological reactors, and bioseparation processes. Examples encompass various areas of bioprocessing. Simulation of a bioprocess is demonstrated using a software package.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

BIOE 4352 Food Engineering

CREDIT HOURS: 3

This course focuses on the process design of unit operations in food processing, preservation, packaging and storage. Topics include mass and energy balances, reaction kinetics modelling, size reduction, emulsification, food dehydration, packaging and storage, extrusion processes, freezing and thawing, evaporation and freeze concentration, crystallization, thermal process calculations and microwave heating. As a term project, a food process is simulated using a software package.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOE 3252.03 or equivalent

BIOE 4391 Polymeric Biomaterials

CREDIT HOURS: 3

This course provides an introduction to the characterization, fabrication and use of synthetic and naturally-derived polymeric materials to replace or regenerate tissues and organs in the human body. Classes will include a discussion of natural and synthetic macromolecular structure, properties (chemical, physical, mechanical), synthesis, and interactions with the human body. The design and application of polymeric materials in tissues engineering, drug delivery, and prosthetics will also be discussed using specific examples including: blood vessel replacement, artificial pancreas, skin substitutes, and nerve regeneration.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

Course Descriptions - Chemical Engineering Series

CHEE 3522 Mechanical Unit Operations

CREDIT HOURS: 3

This course introduces the student to the principles and practices involved in contacting, conveying, separating and storing single and multiphase systems. It includes the flow of incompressible and compressible fluids in conduits and past immersed bodies, as well as the transportation, metering, and mixing of fluids. Unit operations involved in the contacting and separation of phases, such as fluidization, sedimentation and centrifugation, are also studied.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

CHEE 3525 Separation Processes

CREDIT HOURS: 3

This course provides an introduction to cascade theory and develops fundamentals for design and analysis of staged operations such as leaching, liquid-liquid extraction

and distillation. Topics include single-stage operations, multi-stage, counter-current cascade with and without reflux, and binary and multi-component distillation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CHEE 3544 Computer-Aided Process Design

CREDIT HOURS: 3

The course aims to develop the student's ability to solve process design problems using packaged software. Major emphasis is placed on how to translate a flow sheet into a suitable form for simulation and design. Other topics include relational data bases, and design of specific unit operations using both available software and student-developed programs.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 4

PREREQUISITE: PEAS 2201.03, ENGM 1081.03

CHEE 3601 Thermal Unit Operations

CREDIT HOURS: 3

In this course students will learn how to apply the fundamental concepts of momentum and energy transfer to the design of thermal processing unit operations.

Examples include double pipe heat exchanger, shell and tube heat exchanger, plate heat exchangers, air cooled heat exchangers, cooling towers, condensers, and boilers.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

COREQUISITE: PEAS 3600.03

CHEE 3634 Chemical Reaction Engineering

CREDIT HOURS: 3

This course introduces the subject of chemical reaction engineering. Classical reaction kinetics concerning rates, mechanisms, temperature effects and multiple reactions are studied. The concepts of batch, continuous stirred-tank and plug flow reactors are introduced for the ideal case. Non-isothermal reactors and non-ideal flow are considered in the design of chemical reactor systems. Heterogeneous reactors and catalysis are also discussed. Emphasis is placed on computational techniques for reactor problem solutions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

CHEE 4702 Unit Operations Lab 1

CREDIT HOURS: 3

In this course, students will apply the principles of Unit Operations in the Laboratory using pilot scale equipment. An emphasis is placed on experimental, analysis and reporting.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEE 3522.03, CHEE 3601.03, CHEE 3525.03, CHEE 3634.03, PEAS 3500.03

CHEE 4703 Process Dynamics and Control

CREDIT HOURS: 3

This course deals with the control and mathematical modeling of chemical processes. The dynamics of behaviour of processes is analyzed through transfer functions and means of determining the dynamic performance of feedback control systems are presented. Stability and Root Locus Analysis and design considerations, and multivariable systems are covered.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: CHEE 3544.03

CHEE 4704 Separation Processes II

CREDIT HOURS: 3

In this course, students will learn how to apply the fundamental concepts of momentum, energy and mass transport to the design of unit operations designed for separations of chemical streams. This is intended as a continuation of CHEE 3525: Separation Processes. Unit operations including but not limited to absorption/desorption, adsorption, solvent extraction, drying, humidification/dehumidification, solvent extraction, leaching and ion exchange will be covered.

PREREQUISITE: PEAS 3600.03, CHEE 3525.03, PEAS 3500.03

CHEE 4741 Process and Plant Design I

CREDIT HOURS: 3

This course aims to develop the student's abilities in the synthesis of processing elements into an integrated plant that is capable of achieving a prescribed goal. Various design projects are undertaken to emphasize: process selection and economic evaluation, and detailed design of process equipment as well as optimization of processing subsystems such as distillation systems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 4

PREREQUISITE: ENGI 2203.03, CHEE 3522.03, CHEE 3525.03, CHEE 3544.03, MATL 3500.03, CHEE 3634.03, IENG 2005.03, CHEE 3601.03 or CHEE 3624.03,

CHEE 4760 Fundamentals of Combustion

CREDIT HOURS: 3

This course is an introduction to the principles of combustion processes. The properties of premixed gas flames are examined. Diffusion flames and the burning of

liquid and solid fuels are studied. Ignition phenomena and spontaneous combustion, with particular reference to safety in the chemical process industries, are examined.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

CHEE 4773 Industrial Safety and Loss Management

CREDIT HOURS: 3

Topics covered in this course include: history of health and safety; causes and effects of loss; policy development; loss control and health basics; emergency preparedness and standards; hazard identification; safe process design; inspection and investigation processes; measurement, evaluation and audits of OH&S program elements; legislation.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: PEAS 3700.03

EXCLUSIONS: CHEE 6701.03

CHEE 4791 Research Project I

CREDIT HOURS: 3

The course objective is to provide experience in the application of engineering principles to the solution of a specific problem in Chemical Engineering. A research project is chosen in collaboration with a particular faculty member. The student then prepares a work plan, carries out a literature search pertinent to the problem, designs and experimental setup, if needed, and arranges for the acquisition of necessary equipment. Interim and final progress reports are required in both written and oral formats.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

CHEE 4802 Unit Operations Lab II

CREDIT HOURS: 3

This course is a continuation of CHEE 4702.03 where additional Unit Operations experiments will be conducted, analyzed and reported.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEE 4702.03

CHEE 4803 Oil and Gas Processing

CREDIT HOURS: 3

This course provides an overview of the oil and gas industry as a whole, introducing the typical technologies, processes and unit operations. Topics covered include: natural gas recovery and purification; and the properties of bitumen, its recovery, and subsequent refinement. Specific emphasis is placed on detailed design of unit operations for petroleum upgrading and the interrelation between processing steps for optimized petrochemical fuels production.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 2

PREREQUISITE: CHEE 3601.03, CHEE 4704.03, CHEE 3634.03 or instructor approval

CHEE 4842 Process and Plant Design II

CREDIT HOURS: 3

This course is a continuation of Process and Plant Design I, but emphasizes the synthesis of whole systems. Design projects cover process identification and selection, material and energy balance, system sensitivity to various parameters and preliminary process optimization, design and specification of processing units, plant layout, costing and economic evaluation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

COREQUISITE: MATL 4840.03

PREREQUISITE: CHEE 4741.03

CHEE 4854 Computer Process Control

CREDIT HOURS: 3

This course deals with digital computer control of chemical processes. Methods for analyzing and designing control systems using z-transforms are covered. Experience is provided in the use of currently popular control methods, such as model predictive control. An introduction is given for other advanced techniques, such as adaptive control, optimal control and stochastic control.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEE 4752.03 or instructor's permission

CHEE 4856 Process Optimization

CREDIT HOURS: 3

The course deals with the study and application of optimization techniques to engineering problems, with particular emphasis on chemical processes. Topics include analytical and numerical techniques for optimization of single and multi-dimensional problems, linear programming, nonlinear programming and dynamic programming. The course employs available computer software and student-developed programs to solve the problems.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

CHEE 4862 Fundamentals of Combustion Engineering

CREDIT HOURS: 3

In this course, the principles of combustion processes (studied in Fundamentals of Combustion) are applied to industrial applications. The properties of solid, liquid and gaseous fuels are discussed. Various burner systems and the importance of combustion aerodynamics in boilers, furnaces and kilns are studied. The method of determining boiler and furnace efficiency and an introduction to pollution control are presented.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEE 4760.03

CHEE 4892 Research Project II

CREDIT HOURS: 3

This course is a continuation of Research Project I. The student conducts the planned research work, analyses the data obtained and critically evaluates the findings. Written and oral progress reports are required at mid-term. A written report and an oral presentation are required at the end of the term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEE 4791.03

Course Descriptions - Environmental Engineering Series

ENVE 3251 Environmental and Industrial Microbiology

CREDIT HOURS: 3

The principles of microbial communities are applied to biological systems. Emphasis is placed on microbial populations in air, soil and water. Further investigation includes microorganisms found in food, aquaculture and mining industries. Applications of microbial ecology to agriculture, industry, biotechnology and environment are examined.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENVE 3452 Soil and Water Conservation Engineering

CREDIT HOURS: 3

The prediction, nature, effects and control of natural surface and sub-surface waters and non-point source pollutants in catchments are considered. Design flood hydrograph, flood routing, porous media flow and soil erosion prediction techniques are presented. Energy dissipating structures used to control flood flows which are discussed include terraces, chutes, drop inlets, grassed waterways, culverts and small earth dams. An earth dam design project extends over the course duration.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 4

LAB HOURS PER WEEK: 2

ENVE 3461 Environmental Measurement and Analysis

CREDIT HOURS: 3

This course will cover the fundamentals of characterizing and monitoring processes within environmental systems through measurement and analysis. The course will begin with an overview of transducers and the various types of sensors and data acquisition systems typically used in environmental monitoring. Students will learn how to properly measure fluid flow processes and sample for contaminants within surface water and ground water. In addition, the measurement and analysis of contaminants in soil and atmospheric media will be covered. Data presentation and the use of geographical information systems (GIS) and global positioning systems (GPS) will also be covered. Students will gain hands-on experience using environmental monitoring equipment and instrumental methods of analysis during field and laboratory classes. Students taking this class as a core course will be expected to attend a two-day surveying field camp on the Sexton Campus over the first weekend of term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENVE 3500 Air Quality

CREDIT HOURS: 3

This course covers sources, the impact on health and the environment, atmospheric chemistry, fate and transport and the measurement and modeling of atmospheric pollutants. The application of regulatory computer models to air quality case studies will be demonstrated in laboratory classes. In addition, field and laboratory classes will provide hands on experience of measuring and characterizing air pollutants. Problem solving sessions are used to illustrate the application of meteorology, measurements and models to determine the sources and impact of air pollutants at various receptors found both outdoors and indoors.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: ENVE 4621.03

ENVE 4000 Small Watershed Hydrology

CREDIT HOURS: 3

Following an overview of the nature of hydrologic data and models, emphasis is placed on deterministic mathematical modelling of component processes and the synthesis of complete hydrographs. Components examined include precipitation, infiltration, evapotranspiration, surface and subsurface flow. The structure and application of selected current models are presented.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A first class in engineering hydrology and microcomputer experience

ENVE 4123 Environmental Biotechnology

CREDIT HOURS: 3

This course outlines the principles and applications of environmental biotechnology. Quantitative tools for describing microbial stoichiometry and kinetics will be examined and related to reactors of interest to environmental engineering. Applications of biological treatment processes will be studied and may include the activated sludge process, lagoons, anaerobic treatment and bioremediation.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 3

PREREQUISITE: ENVE 3251

EXCLUSIONS: ENVE 3432

ENVE 4342 Industrial Biotechnology

CREDIT HOURS: 3

This class introduces students to industrial applications of biotechnology. Basic biochemistry and molecular biology are covered in addition to stoichiometry and kinetics for bioprocesses. Modern tools and approaches of biotechnology are presented, followed by application of biotechnology to diverse areas (e.g. the environment, medicine, agriculture, pharmaceutical and food processing industries). This class is suitable for engineering/science students who may wish to pursue employment in the biotechnology sector with little/no prior knowledge of biotechnology or genetic engineering.

ENVE 4401 Design Project for Environmental Engineers I

CREDIT HOURS: 3

The objective of the course is to provide students with first hand experience in applying engineering design principles, biogeochemical analyses and environmental assessment techniques to the solution of specific environmental problems related to air, soil and water pollution control. Students are expected to display a high level of initiative and ingenuity in carrying out the project.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 5

PREREQUISITE: Senior students only

ENVE 4402 Design Project for Environmental Engineers II

CREDIT HOURS: 3

This is a continuation of ENVE 4401 leading to a final presentation in both oral and written format.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 5

PREREQUISITE: BIOE 4401.03

ENVE 4411 Indoor Environment Control and Air Quality

CREDIT HOURS: 3

The course deals with the design of heating, ventilating and air conditioning systems for controlled environment facilities such as: animal housing, residential and commercial buildings. Indoor air quality for humans and animals is discussed in relation to current methods of environmental control and energy conservation in buildings. Completion of an assigned term project is a part of this course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PEAS 3600.03 or equivalent

ENVE 4432 Waste Management

CREDIT HOURS: 3

This course examines the characteristics of solid waste, and options for collection systems and treatment/processing. Landfill disposal will be examined and emphasis put on other options such as energy recovery and biochemical treatment.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 3

PREREQUISITE: ENVE 3251.03

EXCLUSIONS: ENVE 3432.03

ENVE 4612 Waste Disposal and Utilization

CREDIT HOURS: 3

The physical, chemical and biological properties of liquid and solid wastes are discussed and related to current handling and disposal methods. Solution to problems of pumping liquid waste, lagoon design and holding facilities are presented. Methods of land application of wastes are compared based on pollution problems and fertilizer issues. Technological advances of utilization of wastes for the production of compost, single cell protein, alcohol, fertilizer, biogas, and chemicals are discussed. The course includes a term project, field trips, and seminars.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

ENVE 4621 Atmospheric Air Quality

CREDIT HOURS: 3

This course will cover fundamentals of air quality. Sources and characteristics of atmospheric pollutants will be introduced as well as methods for sampling/measuring air pollutants and atmospheric processes. The thermodynamics and fluid mechanics of the planetary boundary layer, and the behaviour of plumes, will be primary focus. Contaminant transformations in the atmosphere, as well as wet and dry deposition of pollutants, will be covered. Other topics will include computer models,

standards/legislation and climate change.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 1

ENVE 4641 Contaminant Fate and Transport

CREDIT HOURS: 3

This course focuses on the quantitative analysis of mechanisms that control the fate and transport of contaminants in the environment. The occurrence, movement, and transformation of contaminants in a variety of environmental media, including surface waters, terrestrial environments, and the atmosphere are covered. A 3-d field lab will be held at the beginning of the semester, in which students will gain experience in: (i)sampling environmental media, and (ii)characterizing transport processes in terrestrial and aquatic environments.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENVE 3452.03/CIVL 3310.03, PEAS 2202.03/CIVL 3450.03, ENGM 3052.03/CIVL 4720.03

ENVE 4772 Environmental Assessment and Management

CREDIT HOURS: 3

This course examines the ecological impacts of human activities with regard to water, air and soil pollution. Ecological theory and practice are reviewed and methods of environmental regulation and management considered in the light of the concepts of sustainability and maintenance of biodiversity. Lectures will include presentations by government and corporate regulators and managers. Tutorials will be devoted to the preparation and presentation of hypothetical environmental impact statements and assessments.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

ENVE 4872 Air Pollution Control

CREDIT HOURS: 3

This course deals with air pollution from the standpoint of its generation and control. Both gaseous and particulate matter emitted from combustion and industrial sources are considered.

EXCLUSIONS: CHEE 4872.03

Course Descriptions - Food Science Series

FOSC 1000 Concepts in Food Science

CREDIT HOURS: 3

This course will present an overview of the discipline of Food Science and Food Processing. The overview will include discussions of topics such as food processing, food preservation and safety, seafood processing, quality assurance, and food packaging. Selected food processing operations will also be discussed in further detail. Food safety issues such as food infection and intoxication and HACCP will be introduced.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

COREQUISITE: BIOL 1010.03, BIOL 1011.03

FOSC 2010 Food Commodities

CREDIT HOURS: 3

This course will study the basic scientific principles underlying the processing of varying food commodities. General preservation methods such as freezing, dehydration, thermal processing, irradiation and microwave heating and their applicability to various foods will be examined during lectures and tours to industrial food processing plants. The practices of food manufacturing, preservation, distribution, and marketing of food materials will be related to basic food science principles.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

FOSC 3010 Food Chemistry

CREDIT HOURS: 3

This course will examine the molecular behaviour of basic constituents common to food products and relate this behaviour to the structure and properties of food constituents. Topics covered will include water, carbohydrates, proteins and lipids and micro nutrients such as vitamins and minerals, pigments and flavours. Chemical processes such as browning, enzyme reactions and emulsification will also be examined. The function of ingredients, additives and nutraceuticals will be examined.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 2441 or CHEM 2401

CROSS-LISTING: FOSC 6328

FOSC 3020 Food Analysis

CREDIT HOURS: 3

This course will cover the theory and practice used in modern food analysis. The analysis of proteins, lipids and carbohydrates will be presented. As well, the principles of spectroscopy, titration, electrophoresis and chromatography will be discussed and demonstrated using various foods. Other analytical techniques specific to foods such as reflective colorimetry, texture profile analysis and water activity measurement will be presented.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3
PREREQUISITE: CHEM 2441 or CHEM 2401 or PEAS 3203
CROSS-LISTING: FOSC 6329

FOSC 3030 Food Quality Assurance

CREDIT HOURS: 3

This course will examine techniques employed to ensure the processing and delivery of quality foodstuffs. Topics covered will include quality management systems, statistical quality control, government regulation and food legislation. Details of Hazard Analysis Critical Control Point (HACCP) planning will be covered in detail. Quality assurance systems employed in government and the food industry will be examined.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 1060.03, FOSC 2010.03

FOSC 3070 Food Processing

CREDIT HOURS: 3

This course will examine various unit operations in food processing. Topics examined will include low temperature processes (chilling and freezing); thermal processing including commercial blanching, pasteurization and sterilization; drying and non-thermal processes including high pressure processes and irradiation. The unit operations of various food and seafood commodities will be examined in detail.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 2010.03, BIOE 3051.03

FOSC 3080 Food Microbiology

CREDIT HOURS: 3

This course is designed to introduce students to current aspects of food microbiology with special emphasis on spoilage organisms and foodborne pathogens. Subjects covered will include food infection and intoxication, factors affecting microbial growth and death, sanitation and predictive microbiology. Special emphasis will be given to the microbial ecologies associated with foods from agricultural and marine sources. The characteristics of emerging food pathogens and their influence on the safety of the food supply will be examined. Rapid methods of detection of foodborne microorganisms will be studied.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2004.03 or MICI 2100.03

FOSC 4020 Chemistry - Fats, Oils, Lipids

CREDIT HOURS: 3

The difference in physical and chemical properties of natural fatty acids are correlated with the physical nature of fats, oils and lipids, and the chemical combinations of fatty acids with glycerol, fatty alcohols, sterols and other chemical materials. Methods of separation such as chromatography, solubility and crystallization are explained in terms of the molecular properties. Important industrial processes and products are included.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 3020.03 or CHEM 2201.03

CROSS-LISTING: FOSC 6329.03

FOSC 4030 Food Product Development

CREDIT HOURS: 3

This course examines the process of food product development and techniques used to measure food sensory aspects, shelf life and food stability. Topics covered will include food structure, colorimetry, shelf life modelling and sensory analysis. This course has been designated as a “capstone” course and it will incorporate concepts from other food science courses to develop problem solving and critical thinking abilities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 3030.03

FOSC 4070 Food Processing

CREDIT HOURS: 3

This course will examine various unit operations in food processing. Topics examined will include low temperature processes (chilling and freezing); thermal processing including commercial blanching, pasteurization and sterilization; drying and non-thermal processes including high pressure processes and irradiation. The unit operations of various food and seafood commodities will be examined in detail.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Permission of instructor

CROSS-LISTING: FOSC 6325

FOSC 4081 Brewing Science

CREDIT HOURS: 3

This course will examine unit operations employed during the production of malt and beer. Brewing, fermentation and packaging aspects of beer production as well as brewing quality assurance, colloidal, flavour and haze stability will be discussed.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

FOSC 4091 Food Safety and Biotechnology

CREDIT HOURS: 3

This course will teach students biological aspects of safety in our food and water supply. The course is divided into three modules: (1) Introduction to molecular biology and biotechnology methods used to detect disease causing microorganisms, create genetically modified organisms and manipulate food related organisms, (2) Food hygiene and sanitation, and (3) Current issues in public health and safety of our food and drinking water supply.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 3080.03

EXCLUSIONS: FOSC 4090.03

FOSC 4250 Food Product Development Project

CREDIT HOURS: 3

The objective of this course is to provide the student with experience in the application of food product development techniques. The student will be expected to develop a novel food product from initial stages through to pilot plant trials and shelf life evaluation. A final report and presentation will be required.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 4030.03

EXCLUSIONS: FOSC 4750.03

FOSC 4500X/Y Seminar in Food Science

CREDIT HOURS: 3

The objective of this course is to allow the student to gain experience in verbal and written presentation of selected food science topics. Students will be encouraged to select topics which reflect their academic and food industry experience. Oral presentations and written reports will be required.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 1

COREQUISITE: FOSC 4750X/Y.06 or FOSC 4250.03

FOSC 4750X/Y Food Science Research Project

CREDIT HOURS: 6

The objective of this course is to provide experience in the application of Food Science principles to an academic or industrial research question or problem. The project will be chosen in conjunction with a supervising faculty member. The student will then devise and follow a work plan and write a project report. A critical statistical evaluation of the findings are an inherent part of this course.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: FOSC 3010.03, FOSC 3020.03, FOSC 3030.03, FOSC 3070.03, FOSC 3080.03

EXCLUSIONS: FOSC 4250.03

Course Descriptions - Materials Engineering Series

MATL 3500 Materials Engineering

CREDIT HOURS: 3

This course correlates properties of engineering materials with their structure. Laboratory objectives include preparation of reports in publication format and illustration of lecture material. Basic concepts of crystallography, chemical bonding and binary phase diagrams are introduced. These are used to describe properties of metallic and nonmetallic materials and how these may be controlled by engineers. Materials discussed include ferrous and nonferrous metals and alloys, ceramics, composites and semiconductors.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

MATL 3510 Extraction of Materials

CREDIT HOURS: 3

The lecture portion of this course covers the fundamental principles involved in the high temperature extraction of materials from their ores. Included are descriptions of the equipment used in unit operations such as roasting, smelting and refining and the application of these operations to the production of iron and steel and the more common nonferrous metals. The laboratory portion of this course consists of practice in stoichiometric mass balance and thermochemical calculations of common pyrometallurgical processes for extracting materials.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

MATL 3520 Structure of Materials

CREDIT HOURS: 3

This course presents the following topics: the electronic structure of materials, fundamentals of crystallography, electron motion in the space lattice, introduction to composites, X-ray diffraction and X-ray diffraction techniques, and the crystal structure of crystalline materials. Typical binary phase diagrams are discussed from the structural point of view. Laboratory experiments include preparation and evaluation of X-ray films and diffractometer charts, structural investigation of binary alloys, and crystallite size structure.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2
LAB HOURS PER WEEK: 3
EXCLUSIONS: MATL 3601.03

MATL 3600 Mechanical and Physical Behaviour of Materials

CREDIT HOURS: 3

This course is designed to give students a fundamental understanding of how materials deform and the mechanisms that can be engineered within the atomic structure so as to alter this behaviour. Core topics include basic crystallography, dislocation theory, strengthening mechanisms (dislocations, dispersoids, precipitation hardening, and ceramic reinforcements), and mechanical testing. For the latter, specific emphasis is placed on the techniques of tensile, creep, and fatigue testing.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: Students that have passed MATL 3620.03 and MATL 3621.03 can not register for this course.

MATL 4700 Materials Design Project I

CREDIT HOURS: 3

The course objective is to provide experience in the application of engineering principles to the solution of a specific problem in Materials Engineering. A research project is chosen in collaboration with a particular faculty member. The student then prepares a work plan, carries out a literature search, designs experimental setup as needed, and arranges for the acquisition of necessary equipment. The student conducts the planned research work, analyses the data obtained and critically evaluates the findings. Oral progress reports are required. A written report and an oral presentation are required at the end of the term.

FORMAT: Lab

LAB HOURS PER WEEK: 6

PREREQUISITE: MATL 3500.03

EXCLUSIONS: MATL 4704.03/4804.03

MATL 4710 Ferrous Alloys and Joining of Materials

CREDIT HOURS: 3

The course reviews the iron-carbon system, including the transformation products of austenite, alloying elements and combined thermo-mechanical treatments. Specific classes of steels, ranging from the simple plain carbon steels to the duplex stainless steels, are considered. The course also discusses the fusion welding of a representative selection of steels. Fusion welding process variables are studied together with the metallurgy of the weld metal and the heat-affected zone.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: MATL 3500.03

EXCLUSIONS: MATL 4722.03

MATL 4720 Industrial Processing of Materials

CREDIT HOURS: 3

The fundamentals of metal working in relation to rolling, forging, extrusion, and drawing are studied. In each scenario the physical and mechanical metallurgy principals involved are considered as in the role of tribology. Case studies for a variety of alloys are considered. Hands-on laboratory experiments are included to reinforce key topics.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3500

EXCLUSIONS: MATL 4824.03

MATL 4800 Materials Design Project II

CREDIT HOURS: 3

The objective of this course is to provide experience in the design of materials to the solution of a specific problem. A research design project is chosen in collaboration with a particular faculty member. The student then prepares a work plan, carries out a literature search, and designs an experimental setup. The student conducts the planned research, analyses the data and critically evaluates the results. Students communicate their findings through written reports and an oral talk at the end of the term.

FORMAT: Lab

LAB HOURS PER WEEK: 6

PREREQUISITE: MATL 3500.03 and (MATL 4700.03 or MATL 4704.03)

MATL 4805 Electrochemical Processing of Materials

CREDIT HOURS: 3

The course discusses principles of electrochemistry and electrochemical engineering as they apply to the design of processes for the production of materials. The theory and application of various electrochemical techniques such as electroplating, electroforming, electromachining, electrefining, and fused-salt electrolysis are included. A brief overview on the development of electrochemical sensors and devices using solid state electrolytes is presented. Surface modification by electrochemical means is also discussed.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

CROSS-LISTING: MATL 6805.03

MATL 4806 Particulates in Materials Engineering

CREDIT HOURS: 3

The course covers the preparation, characterization, physical and chemical properties and processing of powders in materials processing including agglomeration, gas-solid reactions, sintering and hot pressing.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2
LAB HOURS PER WEEK: 3
CROSS-LISTING: MATL 6806.03

MATL 4810 Materials Process Design

CREDIT HOURS: 3

This course focuses on the design of new metallurgical plants, processes and products based on knowledge acquired in previous core courses. Material and heat balances, metal economics, design and optimization aspects are covered. Groups of students undertake design projects aiming at modernization of existing plants or establishing new plants operating on new technology. Emphasis is placed on process selection and economic evaluation, detailed design of process equipment, sizing, costing and optimizing the processing units.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3500.03, MATL 4710.03

EXCLUSIONS: MATL 4802.03

MATL 4813 Iron and Steel Production

CREDIT HOURS: 3

This course discusses factors affecting the global iron and steel industry with particular reference to Canadian participation. These factors include the supply of raw materials, new technology, environmental concerns and economics. The future of any metallurgical industry is influenced by many concerns, not all of which are technical.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3510.03

MATL 4817 Metallurgical Processing

CREDIT HOURS: 3

This course covers the principal practices related to metallurgical processing and the marketing of metals, including modification of concentrates (sintering, pelletizing, briquetting). Descriptive outlines of metallurgical processes such as iron and steel, lead, aluminum and zinc production are presented, along with utilization of fuels for metallurgical purposes (coal, coke, oil).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

MATL 4820 Non-Metallic Materials

CREDIT HOURS: 3

This course includes a description of the chemical and structural characteristics of various common non-metallic materials as well as manufacturing methods. A number of applications for such materials are considered including glass, composites, refractors, solid electrolytes and electronic materials. The chemistry of multi-component systems are also discussed. The laboratory experiments are designed to illustrate the lecture material.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

EXCLUSIONS: MATL 4703.03

MATL 4825 Solidification and Casting

CREDIT HOURS: 3

The fundamental principles of solidification and practical applications in the casting industry are dealt within this course. The topics covered are nucleation processes, the growth of single crystals, plane front, cellular and dendritic solidification in single and polyphase alloys, solidification of castings, ingot moulding and core making processes, moulding sands, design of risers and gates, and the melting of metals. The laboratory experiments cover the growth of single crystals of pure metals, alloys, and semiconductors; pattern, mould and core making; and, the casting of commercial alloys.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3500.03, PEAS 3600.03

MATL 4826 Physical Metallurgy and Ceramics

CREDIT HOURS: 3

The first portion of this course covers the physical metallurgy, properties and uses of the principle industrial alloys. The remainder of the course deals with the structure of important ceramic materials such as glass, porcelain and refractors, their properties, and the processing and applications of ceramics. The laboratory experiments will illustrate the principles discussed in the lectures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

MATL 4830 Non-Ferrous Alloys

CREDIT HOURS: 3

The objective of this course is to introduce students to the structure, properties, and processing of different types of non-ferrous alloys. Alloys of principal interest include those that are premixed on aluminum, copper, nickel, and titanium. Select applications for these industrially-important material are also reviewed.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3500.03

EXCLUSIONS: MATL 4823.03

MATL 4840 Corrosion and Degradation of Materials

CREDIT HOURS: 3

This course introduces the students to the basic theory of corrosion as well as the basic principles of hydrometallurgy. Students will also be introduced to the different types of corrosion and the practices of corrosion prevention and remediation.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MATL 3500.03 and (MATL 3612.03 or PEAS 3500.03)

EXCLUSIONS: Students that have passed MATL 3611.03 can not register for this course.

Course Descriptions - Process Engineering Series

PEAS 2201 Fundamentals of Process Engineering

CREDIT HOURS: 3

The main objective of this course is to develop the student's ability to perform mass and energy balances on non-reactive and reactive processes. Introductory topics include systems of units and a study of process variables such as temperature, pressure and flow rate. Also covered are fundamental properties of multiphase systems, including phase equilibrium, vapour pressure, and Raoult's and Henry's Laws. Emphasis is placed on developing problem solving skills and adopting a consistent approach to the analysis of process systems.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENGI 2102.03

PEAS 2202 Fundamentals of Environmental Engineering

CREDIT HOURS: 3

The course will focus on sources of environmental pollutants, the effects of pollutants on living and non-living systems, and the processes by which pollutants are generated or by which their effects can be minimized or remediated. Lectures are supplemented by tutorials which include guest speakers, case studies and field trips.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: CHEM 1021.03 and CHEM 1022.03

PEAS 2203 Organic Chemistry for Process Engineers

CREDIT HOURS: 3

Students will first develop an understanding of structure and bonding in organic compounds. With this background, the chemical and physical properties of the major functional groups will be introduced, with a focus on applications relevant to process engineers. Specifically, the synthesis and chemical reactions of commercially important molecules will be highlighted. Physical separations (i.e., distillation, crystallization) used in organic synthesis and spectroscopic methods of analysis will also be described.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 1021.03 and CHEM 1022.03

PEAS 3500 Process Thermodynamics

CREDIT HOURS: 3

The course covers the application of thermodynamic concepts such as entropy, enthalpy, free energy, activities and phase diagram relations, for pure substances and solutions (aqueous and molten) in biological, chemical and materials processing systems. The application of computer programs to the analysis of thermodynamics in chemical reactive systems is demonstrated. Problem solving sessions are used to illustrate the applications of these concepts in processing.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 3

PEAS 3600 Transport Phenomena

CREDIT HOURS: 3

This course covers the physical, chemical and thermal factors affecting the mechanisms of heat and mass transfer in biological, chemical and materials processing systems. The principles of physical and mathematical modeling are demonstrated in real applications in the fields of biological, chemical and materials engineering. Problem solving sessions to illustrate the application of the above concepts to processing are given.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 3

PEAS 3700 Law and Ethics in Process Engineering

CREDIT HOURS: 3

This course will provide students with the legal and ethical framework for the practice of engineering. The section on ethics will introduce ethical theories and demonstrate how these theories are embodied in various engineering codes of ethics. It will also show how these theories, as well as the codes of ethics, can be used to address real ethical dilemmas that can arise in the practice of engineering. Cases studies will be used extensively to guide the students through this. The course will also introduce the subject of law in its relation to the practice of engineering. It will cover the basics of what the students should know about contract law, professional liability and tort law, and intellectual property law. Because the students will be required to submit a good number of written assignments, the first third of the course will focus on improving their writing skills.

Faculty of Health Professions

Location:

Building/Room: Burbidge Building
Street Address 1: 5968 College Street
Street Address 2: 3rd Floor
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-3327
Fax: (902) 494-1966
Website: www.dal.ca/faculty/healthprofessions.html
Email Address: fhp@dal.ca

Introduction

The Faculty of Health Professions consists of the School of Health and Human Performance, School of Health Administration, School of Human Communication Disorders, School of Social Work, School of Nursing, School of Occupational Therapy, School of Physiotherapy, College of Pharmacy, and the School of Health Sciences. The various undergraduate programs are described in the College, School, and other program sections of this Calendar. Details of the graduate programs in the Clinical Vision Science program and offered in the Schools are described in the Calendar of the Faculty of Graduate Studies.

In addition to the policies listed, please refer to the following other student related policies at <http://healthprofessions.dal.ca>:

- Allegation of Professional Unsuitability Policy
- FHP Immunization Policy
- Occupational Health and Infectious Diseases: Pre-clinical Placement Requirements for Health Care Worker Students
- Suspension or Dismissal from a Program on the Grounds of Professional Unsuitability
- Guidelines for Personal Safety in Fieldwork Placements

Policy Statement on Affirmative Action

The Faculty of Health Professions recognizes that Affirmative Action is required to increase the admission of and number of graduates from underrepresented groups; Aboriginal peoples, African Canadians and Persons with (dis)Abilities. The constituent Units of the Faculty will develop and implement Affirmative Action policies that are consistent with the Human Rights Commission.

As a matter of priority, the Faculty will develop strategies to identify and create recruitment and support systems that will encourage and support members of these underrepresented groups to apply to and graduate from the Faculty of Health Professions

Policy Statement on Interprofessional Health Education

Students in the Faculties of Dentistry, Health Professions and Medicine are required to participate in interprofessional health education activities. These activities, together with specific program requirements, are currently evolving and in transition and are integrated into the curricula of individual programs. Participation is mandatory. The objective of interprofessional education in the Faculty of Health Professions include developing:

- knowledge and understanding of, and respect for, the expertise, roles and values of other health and human service professionals.
- understanding the concept and practice of patient/client/family-centred care.
- effective communication, teamwork and leadership skills applied in interprofessional contexts.
- positive attitudes related to the value of collaboration and teamwork in health and human service contexts.
- an understanding, from a multi-disciplinary perspective, of the Canadian health and social systems, the legal and regulatory foundation of professional practice, how health and human service institutions are organized and operate, and how different health and human service professions contribute to the systems and institutions.

Students in the entry-to-practice programs in the Faculty of Health Professions, are required to maintain enrolment in IPHE 4900 (see calendar section on Health Professions Interprofessional Health Education) for the duration of their studies. Successful completion of this course is a requirement for graduation in these programs, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration; to be presented by the Faculty of Health Professions. For more information, students should contact their specific school/college.

Statement Regarding Criminal Records Check

The Faculty of Health Professions of Dalhousie University does not require a Criminal Records Check or other screening procedure (e.g., Vulnerable Sector Screen) as a condition of admission into its programs. However, **students should be aware that such record checks or other screening procedures may be required by facilities outside the University used for clinical, fieldwork or co-op placements or experiences related to an academic class assignment, which, in some instances, may be a requirement for graduation.** It is the student's responsibility to have such procedures completed.

Such facilities may refuse to accept students on the basis of information contained in the record check or other screening procedures. If the student is unable to complete a clinical requirement due to a failure to meet the record check or screening requirements of the facility, or if the student is refused access to the facility on the basis of the information provided, such a student may fail the class, and as a result, in some instances, may not be eligible for progression or graduation.

Students should check with their School/College for details concerning any record checks or screening requirements relevant to clinical, fieldwork, or placements in their particular program. Note that facility requirements may change from time to time and are beyond the control of the University.

Students should also be aware that some professional regulatory bodies may require a satisfactory record check as a condition of professional licensure.

Practicum/Fieldwork Placements Outside Halifax

Students enrolled in programs of study in the Faculty of Health Professions (Health Sciences, Nursing, Health and Human Performance, Social Work and Pharmacy) are advised that they may have to do some or all of their required clinical education/fieldwork at sites outside Halifax, and hence may have to incur additional personal expenses for travel and temporary accommodation.

In some situations, sites may require a payment to the site for support of clinical education/fieldwork supervision, and some sites may require separate disability insurance in lieu of eligibility for Worker Compensation coverage. Such costs are the responsibility of the student.

Student Disclosure of Health Information

Faculty of Health Professions

Students registered in this Faculty are encouraged to inform both the School/College and the field work learning sites if they have a health concern that has the potential to compromise client, student and/or agency personnel safety and/or has the potential for limiting their ability to learn and perform their role as learner.

For the purposes of this policy, the term health concern refers to any cognitive, affective, and/or physical health problem, injury, or condition that may place the student and/or others at risk and/or inhibit the student's learning ability and performance.

Guidelines for Disclosure

The student has the right to decide if disclosure of health information is appropriate. The method, timing, and extent of the disclosure is at the student's discretion (for consultation options, see below). Early disclosure of the following information regarding the health concern may be helpful to students in the academic and/or field work sites.

To disclose this information:

1. Clearly describe the nature of the health concern and the potential limitations with regard to the learning tasks expected in either the academic or field work site. Appropriate verification of the information may be required.
2. List any adaptations, modifications, and/or safety procedures that may be required in planning the student's learning experiences in either setting.
3. Provide clear and appropriate advice regarding the management of this health concern.

If the disclosure of health information in field work and/or academic sites produces difficulties, students are encouraged to report these difficulties immediately to the appropriate person(s) within both the field work site and/or within their educational program (see below). Discrimination in any form will not be tolerated.

Students are advised to make the initial contact with the person with whom they are most comfortable from the lists below. These individuals would be available for consultation/advocacy:

- Academic /faculty advisor
- Field work coordinator(s)
- Director of the School or College where student is enrolled
- Dean of the Faculty of Health Professions

- Advisor to Students with Disabilities, Dalhousie University
- Dalhousie/King's Association of Students with Disabilities
- Human Rights Commission

College of Pharmacy

- Preceptor
- Site coordinator
- Externship administrator

School of Nursing

- Clinical instructor
- Class professor
- Associate Director, Undergraduate Student Affairs
- Nurse Practitioner/Arctic Nursing Program Coordinator

School of Occupational Therapy

- Preceptor
- Field site director
- Provincial or Atlantic Region fieldwork education coordinators

School of Physiotherapy

- Clinical supervisor
- Facility clinical coordinator
- Provincial coordinator

School of Social Work

- Agency field instructor
- Program coordinator
- Faculty field instructor

School of Health Administration

- Preceptor

School of Human Communication Disorders

- Clinical Educator

School of Health and Human Performance

- Student Services Administrator

QEII - Dalhousie School of Health Sciences

- Clinical Education Coordinator

Staff

Dean

Webster, W. G., PhD

Acting Associate Dean (Research)

Kozey, C. L., BPE (UNB), MSc (Waterloo), PhD (Dalhousie)

Acting Associate Dean (Academic)

Merritt, B., BS (Psychology), MS (OT), PhD (Colorado State)

Academic Integrity Officer

Snelgrove-Clarke, E., BN (Mem), MN (Dalhousie), PhD (McGill), RN

Communications/Marketing/Alumni Officer

Hynes Jenkins, L., BA, MA (Dalhousie)

Distance Education Manager

Farry, P., BA, MBA (Dalhousie)

Financial Manager

Moors, K., CMA, MPA

Human Resources Consultant

Smith-Gillis, C. E.

Interprofessional Experience Coordinator

Godden-Webster, A., MSc (Appl.)

Manager, Research Support and Special Projects

Officer, S., BEd, MA

Office Manager

Weir, B. L.

Disability Management

Location:

Building/Room: Forrest Building

Street Address 1: 5869 University Avenue

Street Address 2: Room 215

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2950

Fax: (902) 494-3025

Website: www.dal.ca/occupationaltherapy

Email Address: disability.management@dal.ca

The School of Occupational Therapy offers a Certificate in Disability Management (CDM) Program specifically designed to educate and engage students in the elements of disability management. Disability management team members provide effective, efficient and safe co-ordination of services needed to help injured or ill individuals achieve their maximum level of functioning, and facilitate their ability to remain at or return to work. Graduates of the CDM Program will typically work as disability case managers, insurance case managers, return to work facilitators, vocational rehabilitation consultants, vocational counsellors, or employee wellness program administrators.

People in the field of disability management come from many different professional backgrounds such as education, human resources, kinesiology, nursing, occupational therapy, physiotherapy, and social work. More and more organizations are recognizing the important role that disability management can play, with benefits of an effective disability management program including reducing cost due to less work disruptions, enhanced employee morale and sense of belonging, as well as improved manpower consistency. Practical applications of disability management have been made in different sectors of occupational activity such as administrative, industrial, service provision, technical and business. With so many multi-faceted aspects characterizing the field of disability management, the Dalhousie program draws on many bodies of knowledge spanning theoretical and practical application.

Program Overview

The overall goal of the CDM Program is to educate individuals with integrated knowledge and skills necessary to provide quality disability management services, through recognizing and understanding the dynamic interaction between disability and work performance. Upon completion of the CDM Program, students will be able to demonstrate and apply skills and competencies in the areas of:

1. Foundations of Disability Management
2. Communication and Professional Relationships
3. Return to Work and Case Management
4. Policies, Ethics and Legal Issues

The CDM Program is made up of four academic undergraduate three credit hours courses that are taught completely online. These courses are normally taken as electives by students currently enrolled in an academic program at Dalhousie or another Canadian University. However, students not enrolled in a university program can pursue the CDM by applying as a Special Student Undergraduate. Any student interested in taking courses in the CDM Program must register through the Registrar's Office. Admission requirements vary based on previous education and the intended program of study at Dalhousie. The Registrar's Office can help guide students as to the eligibility for admission to specific Dalhousie programs.

Regulations

Students registered in the courses of the Disability Management Certificate Program (CDM) are bound by the University and Faculty regulations in the same manner as all Dalhousie students. The University and Faculty of Health Professions (FHP) regulations are found in the University Regulations section of the Dalhousie University Calendar. Academic regulations are found in the Academic Regulations section of the Calendar. It is the responsibility of each CDM student to become familiar with both the University and FHP regulations.

Please make note of the "Acceptable Use Policy" found in the University Regulations section of the Dalhousie Calendar. Because of the distance learning component of this Program, students should pay particular attention to regulations designed to respect the rights of other computer users.

Course Grades

The minimum passing grade for all of the CDM courses is 50%. A course may be repeated only once, with a maximum of two repeated courses permitted. A student who fails the same course twice will not be awarded the Certificate.

Appeals

On occasion, conflict or disagreement on final grades or evaluative procedures may arise. All students are expected to familiarize themselves with the processes available to them for academic appeals. Timeliness is of the essence for presentation and consideration of all appeals and, in all instances, the first level of appeal will be at the informal level.

Formal appeals of a final grade or a procedural problem must follow the regulations as stated in the University Calendar and such appeals will only be considered after failure to resolve the issue at the informal level has occurred. Students who do not follow these procedures will automatically forfeit their right to further consideration of their appeal and the original decision will remain in effect.

Informal Process

For each instance, the student and instructor, with guidance for the CDM Academic Director, are expected to attempt to resolve the matter informally within 15 days of the matter giving rise to the appeal.

Formal Process

If the matter cannot be resolved informally, the student may initiate a formal appeal by following the procedures set down in the University Calendar (see Regulation 16.7 of the Academic Regulations section for appeals of grades, and the Academic Regulations section for the Faculty of Health Professions appeals process).

Note that both the Dalhousie University Calendar and the Faculty of Health Professions policies appear on the Dalhousie University website.

Certificate Completion

Upon completion of all four courses of the Certificate in Disability Management Program, students submit the Request for Certificate form to the office of the Certificate in Disability Management Program. Once the Request form has been processed and approved, the Certificate is granted to the student. This Certificate is not awarded at Convocation.

To obtain the Request for Certificate form please refer to the Disability Management Program and click on [Certificate Overview](#).

Staff

Dean

Webster, W. G., PhD

Director

Packer, T., BSc (OT) (Western), MSc, PhD (Queen's)

Program Coordinator

Murphy, J., BComm

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology

level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

DISM 3010 Introduction to Disability and Disability Management

CREDIT HOURS: 3

This course provides an overview of Disability Management theories, terminology and processes. Particular emphasis is on introduction to the practice of Disability Management, comprehending the relationship between occupation and disability, and, understanding the dynamic impact of disability on return to work.

CROSS-LISTING: KINE 3010.03

DISM 4010 Case Management and Return-to-Work

CREDIT HOURS: 3

This course will focus on the return-to-work process, with emphasis on the components of Disability Management that are critical for successful return-to-work outcomes. Appraisal of case management strategies, vocational rehabilitation, and ethical and legal implications of the return-to-work process will be highlighted.

PREREQUISITE: DISM 3010.03

DISM 4040 Understanding the Relationship between Health and Work

CREDIT HOURS: 3

This course will distinguish issues that span the continuum of health and work performance, and examine the complex interaction between health conditions and ability and/or capacity to work. Concepts presented will include acute illness and injury, chronic health conditions, and workplace health promotion and prevention.

PREREQUISITE: DISM 3010.03

DISM 4050 Communication and Professional Relationships in Disability Management

CREDIT HOURS: 3

This course identifies and analyzes key components that are part of the Disability Management communication toolkit. Application of strategies to enhance the professional relationships frequently encountered in the Disability Management process will be emphasized.

PREREQUISITE: DISM 3010

Health Administration

Location:

Building/Room:

Street Address 1: 5161 George Street

Street Address 2: Suite 700

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-7097

Fax: (902) 494-6849

Website: www.dal.ca/sha

Email Address: healthadmin@dal.ca

Diploma in Health Services Administration (DHSA)

The Diploma in Health Services Administration (DHSA) program is designed to prepare students for a career in healthcare at the managerial level. It meets the needs of students interested in health services administration and of those currently employed in the healthcare sector in a managerial capacity, particularly, middle managers in medium and large institutions, administrators in small facilities, and employees in community health, long-term care, primary care, multi-service centres, and community health boards.

The program provides a conceptual background for the increasingly complex managerial tasks performed in health institutions, agencies, and health-related government departments. Every effort is made to balance political, social, economic, cultural, medical, and ethical approaches to understanding the healthcare delivery system with those of the management sciences.

All students must observe the University and Academic Regulations described in the calendar.

Students may complete the DHSA on a full-time or part-time basis.

The program is conducted through the Internet and Web-based conferencing with a learning platform called BbLearn. BbLearn is a distance education course management system. It provides a learning environment where students direct their learning. BbLearn consists of a suite of tools which provide mechanisms for interactive exercises, such as group discussions, presentations, and information sharing.

NOTE: Courses offered through the online format are assessed a per course Distance Education Fee (DEF) in addition to the course-based tuition.

Application Procedure

Applicants must meet the Dalhousie University undergraduate admission requirements to warrant consideration into this program. Applicants require university preparation (you may not apply from high school). In addition to transcripts, students are required to submit a current resume and at least one letter of reference with their application to the Diploma program.

Applications should be submitted as early as possible, and not later than July 1 for September admission, November 15th for January admission and March 15 for May admission.

Students may be considered for advanced placement if they have completed courses equivalent to the required or elective courses. Application for advanced placement must be made in writing after an applicant has been accepted to the program.

Further information on the Diploma in Health Services Administration program may be obtained from:

School of Health Administration
Dalhousie University
5161 George Street, Suite 700
PO Box 15000
Halifax, NS B3H 4R2

Application forms are available online at www.dal.ca/admissions/apply.html

Curriculum

The one-year program features both an academic and outcome-oriented curriculum. Students accepted into the DHSA program take the following half-credit courses:

Fall term

- HESA 4000.03: Canadian Healthcare Delivery System
- HESA 4002.03: Health Human Resource Management
- HESA 4003.03: Quality Management
- HESA 4004.03: Healthcare Planning
- HLTH 4040.03: Health Law for Non-Lawyers

Winter term

- HESA 4001.03: Management Roles and Competencies
- HESA 4005.03: Healthcare Financial Management
- HESA 4200.03: Epidemiology for Managers
- HESA 4400.03: Introduction to Healthcare Economics

Summer term

- three credit hours as approved by the School

Diploma in Emergency Health Services Management (DEHSM)

The School of Health Administration offers an undergraduate diploma program in Emergency Health Services Management. The program meets the need for an educational program for students interested in emergency health services management and for mid-career managers working in the Emergency Health Services systems in Canada. The academic objectives of the program are to provide education in emergency health services management for potential managers of large and small emergency health services organizations, and to provide access to further education in Health Services Administration and Emergency Health Services for such individuals.

The program is designed for professionals working in emergency and/or first responder settings.

The program is conducted through the Internet and Web-based conferencing with a learning platform called BbLearn. BbLearn is a distance education course management system. It provides a learning environment where students direct their learning. BbLearn consists of a suite of tools which provide mechanisms for interactive exercises, such as group discussions, presentations, and information sharing.

NOTE: Courses offered through the online format are assessed a per course Distance Education Fee (DEF) in addition to the course-based tuition.

A. Application Procedure

Applicants must meet the university's undergraduate admission requirements to be considered for admission into the program. Applicants require university preparation (you may not apply from high school). Prospective students should submit a letter outlining their work experience and other activities with their application, fee and high school transcripts. In addition, students are required to submit a current resume and at least one letter of reference with their application to the diploma program.

Students may be considered for advanced placement if they have completed courses equivalent to the required or elective courses. Application for advanced placement must be made in writing after an applicant has been accepted to the program.

Further information on the Diploma in Emergency Health Management program may be obtained from:

School of Health Administration, Dalhousie University
5161 George Street, Suite 700
PO Box 15000
Halifax, NS B3H 4R2

Application forms are available online at <http://www.dal.ca/admissions/apply.html>. Deadline for September admission is July 1, November 15 for January admission and March 15 for May admission.

B. Curriculum

Fall term

- HESA 4000.03: Canadian Healthcare Delivery System
- HESA 4010.03: Management Process and Human Resource Issues in EHS
- HESA 4004.03: Healthcare Planning
- HESA 4020.03: Quality Improvement in EHS
- HLTH 4040.03: Health Law for Non-Lawyers

Winter term

- HESA 4005.03: Healthcare Financial Management
- HESA 4200.03: Epidemiology for Managers
- HESA 4400.03: Introduction to Healthcare Economics

Summer term

- HESA 4030.03: EHS System Design
- HESA 4040.03: Principles of Community-Based EHS

Staff

Dean

Webster, W. G., PhD

Director

Byrne, J., BA (St. FX), MA, PhD (Kansas), MHSA (Dalhousie)

Professor Emeritus

Nestman, L. J., BComm (Sask), CA, MHSA (Alberta)

Professors

Byrne, J., BA (St. FX), MA, PhD (Kansas), MHSA (Dalhousie)

Johnston, G., BSc (Hons) (McGill), MHSA (Alberta), PhD (Western)

Rockwood, K., BA (MUN), MPA (Queen's), MD, FRCPC, Major appointment in Faculty of Medicine

Sketris, I., BSc (Pharm) (Toronto), PharmD (Minn), MPA (HSA) (Dalhousie), major appointment in College of Pharmacy

Associate Professors

Lahey, W., BA (Mt. A), BA (Juris) (Oxford), LLM (Toronto) Major appointment in Schulich School of Law

Persaud, D., MSc (Queen's), MSA (Cntrl Mich), PhD (Toronto)

Assistant Professors

Hadskis, M., BSc (Hons), LLB (Dalhousie), LLM (York)

Hajizadeh, M., BA, MSc (Iran), PhD (Australia)

Luu, S., BS (Taiwan), MPH (Emory), PhD (VCU)

Simms, C., BA (SMU), MPA (Dalhousie), MHSc (Johns Hopkins), DPhil (Sussex)

Lecturers

Karim, S., BSc (UBC), BSc (Kines), MHSA, MBA (Dalhousie)

Mouland, D., BA, DHSA, MHSA (Dalhousie)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

HESA 4000 Canadian Healthcare Delivery System

CREDIT HOURS: 3

The course is designed to provide an overview of healthcare in Canada, and more specifically in Nova Scotia, where the health reform process will be addressed. Aimed specifically at supervisors, middle management, and administrators the existing trends in healthcare from a national and provincial perspective will be reviewed. The goal of this course is to provide the student with a snapshot view of the existing healthcare system, its past development, and future direction.

CROSS-LISTING: CANA 4300.00

HESA 4001 Management Roles and Competencies

CREDIT HOURS: 3

This course seeks to help students to examine what managers do to add value to their organizations. As a starting point we will briefly explore the evolution of management theories, comparing the founding theories with more recent literature. We will also examine the role of managers in public organizations such as hospitals. Finally, we will examine specific skills and duties of healthcare managers including: leadership, power, motivation, decision making, communication, teamwork, conflict resolution, organizational change, and others. Learning is facilitated through a mix of individual study and group discussions, and direct feedback from the instructor.

HESA 4002 Health Human Resource Management

CREDIT HOURS: 3

This course will provide the student with a working knowledge of the day to day operational management of human resources. The course will focus on the requirements of a manager to mentor, lead and manage the organization's human resources. The interaction and interdependencies between the manager and the human resource department will be examined. Topics include labor management relations; human rights and labor related legislation; recruitment and selection; performance development and management; professional development and training; compensation related issues; collective bargaining and dealing with special employment related issues. Approved with Canadian Studies.

CROSS-LISTING: HESA 4010.03

HESA 4003 Quality Management

CREDIT HOURS: 3

This course will provide an introduction to the concept of quality improvement. Students will be exposed to the various methods to measure and assess quality in healthcare and be provided exposure with tools and techniques utilized in practice. A focus on safety and risk, patient satisfaction, team leadership as well as accreditation will be undertaken to ensure students gain practical understanding of the drivers of quality in Canadian healthcare. Approved with Canadian Studies.

CROSS-LISTING: HESA 4020.03

HESA 4004 Healthcare Planning

CREDIT HOURS: 3

This course will use lectures, readings and case discussion to explore issues and methods related to health planning and evaluation. Emphasis will be placed on learning how to apply theory to practice at the system, organization, and service levels.

HESA 4005 Healthcare Financial Management

CREDIT HOURS: 3

This course will introduce the student to financial management concepts. The key concepts of financial resource management will be explored with particular emphasis on implementation in the healthcare sector. Introduction of the basic components will enable the student to understand the concepts within the larger framework of strategic and organizational resource planning and utilization. Topics covered include preparing, managing, and evaluating department budgets, payment systems, and fiscal accountability.

HESA 4010 Management Process and Human Resource Issues in EHS

CREDIT HOURS: 3

The course is designed to develop skills in the eight core management processes required to effectively manage an EHS operation. The core management skills taught in this course include: Interpersonal Communications and Coaching, Building Effective Teams, Monitoring and Managing Performance, Project Management, Leading Others, productivity Improvement, Influencing and Negotiating with Others, and Managing Innovation and Change. The overall aim of this course is to provide EHS practitioners with the skills required to manage people effectively. The course has two principle goals: provide EHS practitioners with the management and human resource skills necessary to manage effectively in their own work environment, and introduce EHS practitioners to innovations in EHS systems design and management practices.

CROSS-LISTING: HESA 4002.03

HESA 4020 Quality Improvement in EHS

CREDIT HOURS: 3

The objectives of this course are to (1) lead EHS managers through a step by step process to design, plan, implement, monitor and evaluate a continuous quality improvement initiatives, (2) link continuous quality improvement principles to the concepts and practices of Higher Performance Systems (HPS), (3) apply the principles, practices and tools of continuous quality improvement to an EHS operation, and (4) create a team based continuous quality improvement environment. Participants will be introduced to and will apply the concepts of healthcare improvement teams throughout the course.

CROSS-LISTING: HESA 4003.03

HESA 4030 EHS System Design

CREDIT HOURS: 3

The advent of the high performance EHS system makes it evident that it is possible to "do more with less", however, that possibility requires sensible design tempered by the political realities of the services area. It also requires the use of CQI practices to modify the design and ever vigilant system status management to maintain high performance. This course will consider first the public policy issues that bear upon EHS system design. This course will consider first the structure issues, both external and internal, that bear upon EHS system design. Then the course will consider the different designs originated from organizational theory. In the second half of the course the various system components will be presented. Finally, the course will consider disaster management of EHS systems. The objectives of this course are: (1) provide managers and management-bound students a broad perspective of the process of providing EHS services, (2) identify the scope of factors that influence, create and alter the design of EHS systems, (3) provide a foundation for system evaluation, and (4) challenge students to anticipate the factors that will affect system design when disaster strikes.

HESA 4040 Principles of Community-Based EHS

CREDIT HOURS: 3

Emergency Health Service (EHS) systems face challenging environments. However, strategies can be developed that go beyond merely reacting to what occurs in the environment. This course presents public relations planning so that a disaster or even a scandal can be turned into an opportunity. In addition, the course offers a basic understanding of marketing strategies that can help offset market pressures and demands. The objectives of the course are: (1) appreciate how marketing strategies vary when designed for the public good or a public service, (2) develop a marketing plan specific to the student's emergency health service system, (3) develop and evaluate an emergency health services public relations plan, and (4) facilitate a collaborative activity between the student's emergency health organization and some of its stakeholders.

HESA 4200 Epidemiology for Managers

CREDIT HOURS: 3

This course is a general, introductory course in the principles of epidemiology. Discussion will concentrate on the occurrence of disease and injuries in human populations, examine methods of determining the causes of illness and death, and analyze conclusions which have been gained through the application of epidemiological studies.

HESA 4400 Introduction to Healthcare Economics

CREDIT HOURS: 3

This course is an introduction to economic issues in the Canadian Health Care System. The purpose of this course is to provide students with economic tools with which to examine issues affecting the Canadian health system. Specific topics to be examined include: the supply of, and demand for, healthcare; investment appraisal; healthcare systems and markets; health insurance schemes; rationing healthcare services; human resource planning; health technology assessment; and, outcome measurement and evaluation.

Health and Human Performance

Location:

Building/Room:

Street Address 1: 6230 South Street

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2152

Fax: (902) 494-5120

Website: www.dal.ca/hahp

Email Address: hahp@dal.ca

Introduction

Purposes of the School

The School's mission is to develop professionals and scholars who can generate, disseminate and apply knowledge to advance health and human performance. We do this by offering undergraduate and graduate programs as well as by conducting research in health promotion, kinesiology and recreation/leisure studies.

Limited Enrolment

All programs offered by the School of Health and Human Performance have enrolment limits.

Interprofessional Health Education

Students are required to maintain enrolment in IPHE 4900.00 (see calendar section on Health Professions, Interprofessional Health Education) for the duration of their studies. **Please register in IPHE 4900.00 (section 2).** Successful completion is a requirement for graduation, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions. Students are asked to consult with their individual school/college to determine the specific guidelines and expectations regarding the required portfolio.

Affirmative Action Admission Policy

Purpose of the Policy

This policy is intended to create opportunities for the admission of under-represented African Canadians, Aboriginal peoples, and persons with disabilities, in the School of Health and Human Performance.

Eligibility

Persons eligible to be considered under this policy must self-identify as African Canadian, Aboriginal, or a person with a disability. Although the School of Health and Human Performance is committed to supporting eligible students from across Canada, preference will be given to those who are a resident of Atlantic Canada or who have a parent residing in Atlantic Canada at the time of application.

Consideration for admission under this policy is optional. Applicants wishing to be considered under this policy must identify on the undergraduate application form.

Requirements

To be considered for admission under this policy, the following criteria must be met:

1. Those applying directly from high school must have attained a minimum grade of 65% in each of the prerequisites listed for the program of choice. Transfer students (i.e., individuals having completed post secondary courses) must have achieved a minimum overall GPA of 2.3 (C+).
2. The applicant would otherwise not have been admitted through the regular admission process.
3. The application and a written statement outlining his/her motivation for applying must be submitted to the Registrar's Office no later than March 15.

Support Services

Once admitted to the School, students wishing to access the following support services must identify their need to the Student Services Administrator, or the course professor.

School of Health and Human Performance:

1. The Student Services Administrator will meet regularly with students to assist with advising, administrative needs, and other concerns.
2. Faculty members will facilitate extra support or instruction for their course content if necessary.
3. Faculty members who are members of the designated groups, or who are closely affiliated with those groups, will be asked to provide academic mentorship if required.
4. Faculty whose office is in a building that might be inaccessible to students with a physical disability will arrange an alternative, more accessible, space for meeting with those students.

Dalhousie University offers a variety of services to students

For further information go to www.dal.ca/campus_life/student_services.html

School of Health and Human Performance Regulations

1. All students must observe the University and Academic Regulations described in this Calendar.

2. Attendance

All students must attend the classes of their prescribed course regularly and punctually. When the work of a student becomes unsatisfactory or attendance is irregular, the student may be required to discontinue the course concerned.

3. Workload

The maximum course load for any fall or winter term is 15 credit hours (five half-credits) and during spring and summer terms, the maximum course load for each is 6 credit hours. Students wishing to exceed the maximum course load must receive permission from the academic advisor within the School. Permission will not normally be granted to any student in his or her first year of study or to any student who does not have a cumulative GPA of 3.00 or above. Other requests based on extenuating circumstances will be considered.

4. Grade Point Average Requirements

The grade point average system is described in the Academic Regulations.

5. Supplemental Examinations

The School of Health and Human Performance does not offer supplemental examinations in any of its programs.

6. Academic Appeals Procedures

A student wishing to appeal a decision based on School regulations should in the first instance attempt to resolve the issue with the instructor(s) concerned before proceeding as per School Appeal Procedures, See Academic Regulation 24.6.

6.a School Committee on Undergraduate Student Appeals

A School-wide Committee on Undergraduate Student Appeals exists for the purpose of hearing initial student appeals of academic decisions.

The student appellant is responsible for the preparation of all documentation in support of his/her appeal.

The student must submit the appeal to the Chair, Committee on Undergraduate Student Appeals.

The student has the right to appear before the Committee on Undergraduate Student Appeals and he/she should notify the Chair of his/her desire to do so. The student also has the right to be represented by an advocate of his/her choice.

The decision of the Committee on Undergraduate Student Appeals shall be conveyed to the student, in writing, by the Chair, Committee on Undergraduate Student Appeals within three working days after the conclusion of the appeal. If the student's appeal is being denied, this notification should include information about procedures to appeal to the Committee on Undergraduate Student Appeals of the Faculty of Health Professions (see Academic Regulation 25.6). It should be noted that this appeal to the Faculty Committee on Undergraduate Student Appeals must be presented within 30 days of notification from the School of the disputed academic decision.

7. Student Advisory Programs

Although many courses are compulsory in the School's programs, considerable latitude exists for the development and extension of individual interests. To help in planning a total personal program each student is assigned to the Student Services Administrator. He/she can help students to select courses, avoid common pitfalls, interpret regulations, and solve various types of problems. Although students are responsible for their own programs and for maintaining high academic standards, they should consult their advisor regularly.

Degree Programs

The School offers the following programs:

- Interdisciplinary Health Studies Certificate
- BSc (Health Promotion)
- BSc (Health Promotion) with Honours*
- BSc (Kinesiology)
- BSc (Kinesiology) with Honours*
- BSc (Recreation)**
- BSc (Recreation)/Bachelor of Management***
- BSc (Recreation) with Honours*
- BSc (Recreation) with Honours*/Bachelor of Management***

* Application is made to the Honours Coordinator by November 15 for HPRO, Rec (TR) and April 1 for Kinesiology, of the student's third year. Rec (Mgmt) students apply by November 15 of their fourth year. Consult department for further information.

** The BSc (Recreation) is a degree in Therapeutic Recreation.

***This is a five-year combined degree in which the student will graduate with both a Bachelor of Science (Recreation) and Bachelor of Management degree.

NOTE 1: Students entering into any of the above degree programs from high school should refer to the Admission Requirements section of this calendar.

NOTE 2: Students who are transferring into any of the above degree programs with previous academic work will formulate a program of study with the Student Services Administrator, based on previous work and area of concentration. Students transferring into the BSc (Health Promotion), BSc (Recreation) and BSc (Recreation)/BManagement programs should note that the internship experiences required in the final year of these programs are normally only offered in the fall and winter terms.

School of Health and Human Performance Courses

The following courses are required for certain degree programs within the School. Please refer to the Required Courses section of the specific degree program of interest:

- | | | |
|---|--------------|---|
| • | HAHP 2000.03 | 3 |
| • | HAHP 3000.03 | 3 |
| • | HAHP 3100.03 | 3 |

HAHP Course Descriptions

- HAHP 2000.03: Human Growth and Development.
- HAHP 3000.03: Community Development.
- HAHP 3100.03: Introduction to Research Methods.

Staff

Dean

Webster, W. G., PhD

Director

McGinn, F., BRec (Dalhousie), MA (Western Michigan), PhD (Southern Illinois Univ. at Carbondale)

Professor Emeritus

Belzer Jr., E. G., BS (West Chester State Coll), MS (Maryland), PhD (Illinois)

Professors

Gahagan, J., BA (Carleton), BA Honours (Carleton), MA (Univ of Windsor), PhD (Wayne State Univ)
Jackson, L. A., BA, MA, PhD (Toronto)
Karabanow, J., BA (Hon), MA (McGill), PhD (Wilfred Laurier). Major appointment with Social Work.
Klein, R., BA (SUNY), MA, PhD (Oregon). Major appointment in the Department of Psychology.
Rehman, L. A., BHK, MA (UBC), PhD (Waterloo)
Singleton, J. F., BA (Waterloo), MS (Penn State), PhD (Maryland)
Westwood, D. A., BSc, MA, PhD (Waterloo)

Associate Professors

Hutchinson, S. L., BA (Victoria), MA (Dalhousie), PhD (Georgia)
Keats, M., BA (Calgary), MA (Alberta), PhD (Calgary)
Kirk, S., BSc Honours (Leeds Metropolitan Univ.), PhD (Univ. of Leeds)
Kozey, J. W., BSc, MSc (Waterloo), PhD (TUNS)
MacGregor, L. A., BPE (Dalhousie), MS (Illinois) McGinn, F., BRec (Dalhousie), MA (Western Michigan), PhD (Southern Illinois Univ. at Carbondale)
Robinson, L. M., BSc Honours 1st. class (UVIC), MA, PhD (Simon Fraser)

Assistant Professors

Barnes, L. J., BPE, MSc (Dalhousie)
Boe, S., BPhED (Brock), MSc, PhD, MPT (Western Ontario). Major appointment with School of Physiotherapy
Dechman, G., BSc (Physio) Honours, PhD (McGill). Major appointment with School of Physiotherapy
Dithurbide, L., BA (St. Mary's), MA (Brock), PhD (Michigan State)
Gallant, K., BSc (Hon) (Mt. A), BJourn (U of King's College), MSc, PhD (Waterloo)
Grandy, S., BSc, MSc, PhD (Dalhousie)
Kimmerly, D. S., BSc (Hons) (Univ. of Waterloo), MSc, PhD (Univ. of Western Ontario)
Kozey, C. L., BPE (UNB), MSc (Waterloo), PhD (Dalhousie). Major appointment with the School of Physiotherapy
Ladouceur, M., BSc, MSc (Sherbrooke), PhD (McGill)
MacKenzie, D., BPE (Saskatchewan), BScOT (Alberta), MA (MSVU). Major appointment with School of Occupational Therapy
Martin, D., BRec (MUN), MA, PhD (Dalhousie)
Meisner, B., BSc Hon (U of T), MSc, PhD (York)
Moreside, J., BSc (UBC), MHK (Windsor), PhD (Waterloo)
Neyedli, H., BSc (Dalhousie), MAsc, PhD (Toronto)
Rutherford, D., BSc (UWO), BScPhysio (Toronto), MSc, PhD (Dalhousie). Major appointment with School of Physiotherapy
Stone, M., BPHE, BSc (Queen's), MSc (Sask), PhD (Exeter)
Welch, J., BA, BSc Honours (Carleton), MSc (Alberta), PhD (Purdue Univ.)
Wong, I., BSCh (Acadia), MD (Dalhousie). Major appointment with Department of Surgery

Adjunct Professors

Bayers, L., BA, BEd (Dalhousie), MA (SMU), PhD (South Australia)
Brooks, C., MD (Manchester Univ), Dipl Avration Med (Farnborough)
Holt, L., BSc, MSc (Springfield Coll.), PhD (Southern Illinois)
McCabe, J., BPE, BA (UNB), MS EdD (Tenn)
Steeves, D., BEd (UNB), MSc (Dalhousie)
Thornley, L., BSc (Univ of Brighton), MSc (Dalhousie)
Willgress, S., BSc, MSc (Calgary)

Interdisciplinary Health Studies Certificate

The Interdisciplinary Health Studies (IDHS) online undergraduate certificate aims to:

1. Provide a critical, case-based, interdisciplinary perspective on contemporary health issues for students with a broad interest in health.
2. Develop the following student competencies: critical and systems thinking, problem solving, ethics, communication, holistic perspectives, advocacy and collaboration.
3. Prepare students for possible future education and careers in health at Dalhousie and beyond.

This program of study will provide an environment for students to develop critical thinking skills that will set the stage for evidence-based practice and critical problem solving. IDHS's case-based curriculum applies multiple disciplinary lenses to urgent contemporary health issues within each individual course. Students will learn about the breadth of study that is connected with health: social, psychological, physical and spiritual influences on health and avenues for social, physical and political

change, while developing essential information gathering, management, analysis, interpretation and communication skills.

IDHS is primarily tailored to non-Dalhousie students and existing Dalhousie students outside the Health Professions who are seeking online courses in health, and a pre-professional exposure to health issues and health professions. Students within the Faculty of Health Professions may take IDHS courses, but non-FHP students will be prioritized and FHP student seats will be capped.

The IDHS undergraduate certificate consists of four required online courses delivered via Blackboard Learn:

1. Introduction to Health and Health Professions (HPRO 1000);
2. Introduction to Aboriginal People's Health and Healing (IPHE 2201);
3. Contemporary Issues in Food Studies (IDHS 3000); and
4. Contemporary Issues in Rural Health (IDHS 3100).

Admission requirements: Completion of secondary school (Grade 12) with a minimum overall average of 70% in five academic Grade 12 courses, including English (minimum 70%). These criteria apply to all applicants who are not currently Dalhousie students. Current Dalhousie students need to have a minimum GPA of 2.0.

Bachelor of Science (Health Promotion)

The Bachelor of Science (Health Promotion) is a four-year degree program. The goal of health promotion is to educate health promotion professionals in promoting, maintaining and improving the health and well-being of individuals, families and communities. As a profession, Health Promotion is principally devoted to employing health promotion processes and to fostering healthy behaviors.

The responsibilities of health promoters include: assessing health promotion needs; planning, conducting and evaluating health promotion programs; coordinating health promotion activities and resources; promoting health throughout the community; and professional development.

The BSc (Health Promotion) program guides students in attaining: (1) knowledge, attitudes and practices conducive to a healthy lifestyle; (2) professional preparation for a career in community health promotion; and (3) academic preparation for advanced study and research in health promotion or health-related fields.

Program of Study

NOTE: On admission into the BSc (Health Promotion) program, all students will be issued a Program of Studies Form. It is the responsibility of the student to ensure that all of the requirements for the degree as outlined on the form are completed for graduation.

Required Courses - BSc (Health Promotion)

Stream Requirements

Common Year One

HPRO 1000.03	3
HPRO 1195.03	3
ANAT 1020.03	3
CSCI 1200.03	3
STAT 1060.03	3
PHYL 1010.06	6
SOSA 1002.03 and SOSA 1003.03 or SOSA 1050.06 or SOSA 1100.06 or SOSA 1200.06	6
Open Elective **	3

Community Health Promotion Stream

Year Two

HAHP 2000.03	3
HPRO 2110.03	3
HPRO 2120.03	3
HPRO 2361.03	3

One of:***

HPRO 2255.03, HPRO 4412.03, HPRO 4365.03	3
PSYO 1011 or PSYO 1021 and PSYO 1012 or PSYO 1022	6
Language and Humanities Elective*	3
Writing Requirement*****	6

Year Three

HAHP 3000.03	3
HAHP 3100.03	3
HPRO 3397.03	3
HPRO 3325.03	3
One of***:	
HPRO 3335.03, HPRO 3345.03, HPRO 3351.03	3
Open Electives**	9
Health Related Elective(s)****	6

Year Four

One of***:	
HPRO 2255.03, HPRO 4412.03, HPRO 4365.03	3
One of***:	
HPRO 3335.03, HPRO 3345.03, HPRO 3351.03	3
HPRO 4450.03	3
Open Elective(s)**	6
HPRO 4495.15	15

Research and Policy Stream

Year Two

HAHP 2000.03	3
HPRO 2110.03	3
HPRO 2120.03	3
HPRO 2361.03	3
PSYO 1011 or PSYO 1021 and PSYO 1012 or PSYO 1022	6
Language and Humanities Elective*	3
Writing Requirement*****	6
PHIL 2660 or PHIL 2670	3

Year Three

HAHP 3000.03	3
HAHP 3100.03	3
HPRO 3397.03	3
HPRO 4101.03	3
One of:	
HPRO 3360.03, HPRO 3370.03	3
Open Elective**	3
Health Related Electives****	12

Year Four

Health Related Elective****	9
Open Elective(s)**	6
HPRO 4495.15	15

* Language/Humanities Elective - see list under Degree Requirements Section in the Academic Calendar.

** Open Electives can be chosen from any available course at Dalhousie

***HPRO A, B, C (as per program of study form available from the School of Health and Human Performance).

**** Health Related Electives - To ensure the courses you select fill this requirement, please check with an advisor.

***** See list of writing requirement courses under Degree Requirements Section in the Academic Calendar. If students take SOSA 1050 in Year One, the Writing Requirement becomes six credit hours of open electives.

At graduation, valid Standard First Aid and CPR Level C Certification are required. Students must submit copies of valid certification to the Student Services Administrator before the end of their final term.

Bachelor of Science (Health Promotion) with Honours

Students wishing to be considered for entrance into the Honours Program must meet the minimum requirements listed below. *Acceptance to the program after meeting these requirements will depend on a faculty member being willing to supervise the honours thesis.*

1. Completed a minimum 75 credit hours towards his/her undergraduate degree.
2. Obtained a GPA of 3.5 based on the previous 45 credit hours of work.
3. Completed HAHP 3100 with a minimum grade of B.
4. Completed a 3000 level or higher HPRO course most related to the area of research.
5. Completed the Financial, Technical, Equipment and Space Support Form indicating the financial needs of the thesis can be met.

Application is made by November 15th of the student's third year.

NOTE: Students accepted into the Honours program must complete HPRO 4101.03 and HPRO 4102.03

The Honours Program is part of the 120 credit hours required for the Bachelor of Science (Health Promotion) degree. HPRO 4101 and HPRO 4102 may be attributed as open electives or as health-related electives.

Students accepted into the Honours program are required to attend an Honours seminar weekly for the first two months, and then monthly.

Honours Conversion

Students who have graduated with a Bachelor of Science (Health Promotion) degree can apply for the Honours Conversion program. Before taking HPRO 4101.03 and HPRO 4102.03, they must have satisfied the requirements for the Honours Program. With the approval of the Honours Coordinator, it may be possible to take certain prerequisite courses concurrently with HPRO 4101.03 and HPRO 4102.03. Application is made through the Honours Coordinator (details in the BSc (Health Promotion) with Honours section). Acceptance into the Honours Conversion program can only be considered provided a faculty member has agreed to supervise the project.

Bachelor of Science (Kinesiology)

Program Description

Kinesiology is the study of the structure and function of the human body within the context of human movement and with a focus on the maintenance and enhancement of health and well-being. Students may elect to concentrate in one of three professional areas - ergonomics; fitness and lifestyle; or coaching science* - or follow a more general stream with a focus on research or other professional areas in which human movement and health are central. The School offers a four-year BSc (Kinesiology) degree as well as a four-year honours degree in Kinesiology.

* See stream requirements under Program of Study below.

The goals of these degrees are to provide students with:

1. A broad background in various subdisciplines of Kinesiology, including anatomy, physiology, neuropsychology, biomechanics, movement control and psychology of performance;
2. An exposure to several science disciplines which are prerequisite and/or complementary to the kinesiology subdisciplines (e.g., biology, physics, psychology, mathematics);
3. An introduction to the discipline of health promotion and an appreciation of the role kinesiology plays in health and well-being concerns of the individual;
4. An exposure to some aspects of the humanities and social sciences, as a means of enhancing the liberal education of the student and addressing social concerns in relation to health promotion;
5. A solid foundation in research methodology and statistics, including opportunities for independent research if the student should so choose;
6. An understanding of the principles and tools necessary to evaluate human movement from a variety of perspectives and in a variety of settings, as well as hands-on experience in several evaluative procedures;
7. Professional preparation in the areas of fitness and lifestyle; ergonomics; or coaching sciences;
8. Experiences in active and problem-based learning;
9. The necessary background to enable the student to pursue graduate work in kinesiology or other related fields.

Program of Study

On admission into the BSc (Kinesiology) program, all students will be issued a Program of Studies Form. It is the responsibility of the student to ensure that all of the course requirements for the degree as outlined on the form are completed for graduation.

Required Courses - BSc (Kinesiology)

• TBA - writing course	
• HAHP 2000.03	3
• HAHP 3100.03	3
• ANAT 1020.03	3
• PHYC 1310.03	3
• PHYL 1010.06	6
• KINE 1102.03	3
• KINE 1104.03	3
• KINE 1106.06	3
• KINE 1108.03	3
• KINE 2250.03	3
• KINE 2310.03	3
• KINE 2320.03	3
• KINE 2430.03	3
• KINE 2465.03	3
• KINE 3200.03	3
• KINE 3500.03	3
• MATH 1060.03 /STAT 1060.03	3

Kinesiology Electives *18

Science Electives 12

Open Electives** 33

* 6 credit hours of Kinesiology electives must be at the 4000 level; the remaining 12 credit hours must be either at the 3000 or 4000 level.

12 credit hours of science electives must be selected from the following list:

- BIOL 1010.03 or BIOL 1020.03: Principles of General Biology I
- BIOL 1011.03 or BIOL 1021.03: Principles of General Biology II
- PHYC 1320.03: Physics In and Around You
- CHEM 1011.03: General Chemistry Part I
- CHEM 1012.03: General Chemistry Part II
- MATH 1000.03: Differential & Integral Calculus or MATH 1215.03
- MATH 1010.03: Differential & Integral Calculus
- PSYO 1011, PSYO 1021.03 or PSYO 1031.03: Introduction to Psychology and Neuroscience I
- PSYO 1012 or PSYO 1022.03 : Introduction to Psychology and Neuroscience II

** Open electives must include at least 15 credit hours at the 2000 level or above.

Students considering the Honours degree are required to take six credit hours of Math, and are required to have 30 credit hours of science electives, with 12 credit hours of those Science electives at the 2000 level or above by the end of their final year. For further information see Bachelor of Science (Kinesiology) with Honours.

Stream Requirements

Students interested in focusing on Ergonomics; Fitness and Lifestyle; or Coaching Science at an advanced level will be guided into one of three specialty streams. A maximum of 12 students/year/stream will be selected, primarily on the basis of GPA. Students wishing to complete a stream should consult the student advisor.

The following is a list of required courses for each stream. Any courses over the 18 credit hours of required KINE electives can be counted as open electives:

Ergonomics Stream

- KINE 3414.03: Physical Fitness Assessment and Program Design
- KINE 3476.03: Principles of Ergonomics
- KINE 3482.03: Care & Prevention of Injuries

- KINE 4466.03: Advanced Biomechanics
- KINE 4577.03: Cognitive Ergonomics
- KINE 4578.03: Physical Ergonomics
- KINE 4588.03: Clinical and Occupational Kinesiology

Fitness and Lifestyle Stream

- KINE 3414.03: Physical Fitness Assessment and Program Design
- KINE 3419.03: Application of Physiological Principles to Human Performance
- KINE 3485.03: Psychology of Sport **OR**
- LEIS 3492.03: Counselling for Health and Well-being
- KINE 4108.03: Mind/Body Connections and Well-being
- KINE 4412.06: Advanced Fitness Assessment Exercise Prescription and Lifestyle Counselling

Coaching Science Stream

- KINE 3320.03: Anatomical Basis of Human Movement
- KINE 3419.03: Application of Physiological Principles to Human Performance
- KINE 3430.03: Principles of Skill Acquisition
- KINE 3482.03: Care and Prevention of Injuries
- KINE 3485.03: Psychology of Sport
- KINE 3740.03: Coaching Science Seminar
- KINE 3741.03: Coaching Science Practicum
- KINE 4740.03: Advanced Coaching Science Seminar
- KINE 4741.03: Advanced Coaching Science Practicum
- MGMT 2401.03: Introduction to Marketing

Bachelor of Science (Kinesiology) with Honours

Students who wish to complete the Honours Program may apply at the end of their third year of study. *Acceptance into the honours program is contingent upon the willingness of a faculty member to serve as the honours thesis advisor.* To be considered for admission into the program, students must have fulfilled the following requirements:

1. Completed MATH 1060 / STAT 1060.
2. Completed a minimum of 24 credit hours of science electives, including a math course in addition to the required MATH 1060 / STAT 1060. The other math credit can be chosen from any MATH/STAT course at Dalhousie except for MATH 1001.03, MATH 1002.03, MATH 1110.03, MATH 1120.03, or MATH 1115.03. Of the 24 credit hours of science electives, at least six credit hours must be 2000 level or above.
3. Completed an upper level Kinesiology course (at the 3000 level or above) in the area in which the research will be undertaken (e.g., ergonomics, biomechanics, exercise physiology, neuromuscular physiology) with a grade of at least B;
4. Obtained an overall GPA of 3.5 on the previous 60 credit hours of work;
5. Completed HAMP 3100.03 (Research Methods) with a minimum grade of B.

Application is made through the Honours Coordinator by April 1st of the student's third year.

The completed Honours Program requires 30 credit hours of Science electives, six credit hours of which may be taken in the 4th year. 12 credit hours must be at the 2000 level or above.

NOTE: Students accepted into the Honours program are required to attend an Honours seminar weekly for the first two months, and then monthly.

NOTE: Students accepted into the Honours program must complete KINE 4900.06. This requirement is in lieu of six credit hours of Open Electives listed as part of the requirements for the BSc (Kinesiology).

Honours Conversion

Students who have graduated with a Bachelor of Science (Kinesiology) degree can apply for the Honours Conversion program. Before taking KINE 4900.06, they must have satisfied the requirements for the Honours Program. With the approval of the Honours Coordinator, it may be possible to take certain prerequisite courses concurrently with KINE 4900. Application is made through the Honours Coordinator (details in the BSc (Kinesiology) with Honours section). Acceptance into the Honours Conversion program can only be considered provided a faculty member has agreed to supervise the project.

Bachelor of Science (Recreation) - Therapeutic Recreation

Program Description

Therapeutic Recreation involves the delivery of change-oriented services to individuals with disabilities, illness and other limitations, with the focus on increasing quality of life through leisure and recreation involvement. The graduates of the Therapeutic Recreation degree will be skilled in the areas of: disability and illness, leisure theory, assessment, planning (program and client planning), program implementation and evaluation, and documentation. Graduates will find employment in both traditional clinical settings such as rehabilitation facilities, psychiatric hospitals and nursing homes, and in community settings such as community mental health centres or associations for community living, etc.

Objectives

The general objectives of the program are:

1. To provide the student with a broad educational exposure to various social science and humanities disciplines (e.g., Psychology, Sociology, Economics, Political Science, Anthropology, History);
2. To familiarize students with current social science-based research methods and statistics;
3. To provide the student with the necessary skills and knowledge for entry into the roles of leadership, advocacy, constancy and education in recreation and leisure services;
4. To provide the necessary background to enable students to pursue graduate work in leisure studies, management studies or the social sciences and humanities.

Program of Study

On admission into the BSc (Recreation) program, all students will be issued a Program of Studies Form. It is the responsibility of the student to ensure that all of the course requirements for the degree as outlined on the form are completed for graduation.

Required Courses BSc (Recreation) - Therapeutic Recreation

• HAFP 2000.03	3
• HAFP 3000.03	3
• HAFP 3100.03	3
• ANAT 1020.03	3
• PHYL 1010.06	6
• KINE 3384.03	3
• LEIS 1127.03	3
• LEIS 2127.03	3
• LEIS 2130.03	3
• LEIS 2361.03	3
• LEIS 2384.03	3
• LEIS 3127.03	3
• LEIS 3296.03	3
• LEIS 3426.03	3
• STAT 1060.03/MATH 1060.03	3
• LEIS 3492.03	3
• LEIS 4365.03	3
• LEIS 4597.15	15

Required Arts and Social Science Courses

- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03 6
- PSYO 2220.03 3
- SOSA 1002.03 and SOSA 1003.03 or SOSA 1050.06 or SOSA 1200.06 6

Therapeutic Recreation Electives

Two of the following:

- | | |
|----------------|---|
| • LEIS 4482.03 | 3 |
| • LEIS 4512.03 | 3 |

• LEIS 4540.03	3
• LEIS 4563.03	3
• Designated Elective*	3
• Open Electives**	27

* Designated electives can be chosen from the courses in the Language/Humanities list (under Degree Requirements at the front of the calendar), Health Professions or Interdisciplinary Health Professions, Health Services Administration or Social Sciences.

**12 of the 27 credit hours of the open electives must be 2000 level or above.

NOTE: Students should consult the NCTRC website (<http://www.NCTRC.org>) for CTRS Certification requirements.

Bachelor of Science (Recreation)/Bachelor of Management

Program Description

The curriculum of this combined program was developed in response to guidance from alumni and practicing professionals in the field — it was clear that while graduates entering the field of recreation administration needed the strong grounding in the recreation discipline, they also needed more management skills. The Faculty of Management's Bachelor of Management degree emphasizes an orientation to management in the public and non-profit sector. This combined degree program enhances career options of future recreation students.

The Bachelor of Science (Recreation)/Bachelor of Management is a five-year program comprising 150 credit hours. Upon completion of this program, the successful student graduates with a Bachelor of Science (Recreation) degree and a Bachelor of Management degree.

Objectives

1. To provide the student with a broad educational exposure to various social science and humanities disciplines (e.g., Psychology, Sociology, Economics, Political Science, Anthropology, History);
2. To familiarize students with current social science-based research methods and statistics;
3. To provide the student with the necessary skills and knowledge for entry into the professional roles of leadership, advocacy, education and service delivery in recreation.
4. To provide the necessary background to enable students to pursue graduate work in leisure studies, management studies, or the social sciences and humanities.

Required Courses - Bachelor of Science (Recreation)/Bachelor of Management

Required Health and Human Performance Courses

• HAHF 2000.03	3
• HAHF 3000.03	3
• HAHF 3100.03	3
• LEIS 1127.03	3
• LEIS 2127.03	3
• LEIS 2361.03	3
• LEIS 2384.03	3
• LEIS 3127.03	3
• LEIS 3296.03	3
• LEIS 3360.03	3
• LEIS 3362.03	3
• LEIS 3370.03	3
• LEIS 4362.03	3
• LEIS 4597.15	15

Required Management Courses

• MGMT 1000.03	3
• MGMT 1001.03	3
• MGMT 1501.03	3
• MGMT 1601.03	3
• MGMT 1702.03	3
• MGMT 2101.03	3
• MGMT 2303.03	3
• MGMT 2304.03	3

• MGMT 2401.03	3
• MGMT 2702.03	3
• MGMT 2801.03	3
• MGMT 2803.03	3
• MGMT 3201.03	3
• MGMT 3501.03	3
• MGMT 3602.03	3
• MGMT 4001.03	3

Other Required Courses

- ECON 1101.03
- ECON 1102.03
- SOSA 1002.03 and SOSA 1003.03 or SOSA 1050.06 or SOSA 1100.06 or SOSA 1200.06
- Writing Requirement (6)*
- Open Electives (24)**
- MGMT/LEIS electives (06)***

*Students must complete a six credit hour writing requirement. This can be completed by choosing six credit hours from the list of Writing Courses within the College of Arts and Science Degree requirements.

**The equivalent of 24 credit hours chosen from all courses offered in the University. Twelve of the 24 credit hours must be 2000 level or above.

***The equivalent of six credit hours must be chosen from any MGMT or LEIS course.

Bachelor of Science (Recreation)/Bachelor of Management with Honours

Students wishing to be considered for entrance into the Honours Program must meet the minimum requirements listed below. Acceptance to the program after meeting these requirements will depend on a faculty member being willing to supervise the honours thesis.

1. Completed a minimum of 75 credit hours towards the Bachelor of Science (Recreation) degree. Normally students will have completed five semesters prior to beginning the honours component of the program.
2. Obtained a GPA of 3.5 based on the previous 45 credit hours of work.
3. Completed HAMP 3100: Research Methods with a minimum grade of B.
4. Completed a 3000 level or higher LEIS course most related to the area of research.
5. Completed the Financial, Technical, Equipment and Space Support Form indicating the financial needs of the thesis can be met.

Application is made by November 15th of the student's third year (for Therapeutic Recreation students) or fourth year (for Recreation Management students).

NOTE: Students accepted into the Honours program must complete LEIS 4101.03 and LEIS 4102.03. These six credit hours may be attributed as open electives or as MGMT/LEIS electives.

The Honours Program is part of the 120 credit hours required for the Bachelor of Science (Recreation) degree, or part of the 150 credit hours for Recreation Management.

Students accepted into the Honours program are required to attend an Honours seminar weekly for the first two months, and then monthly.

Honours Conversion

Students who have graduated with a Bachelor of Science (Recreation) degree can apply for the Honours Conversion program. Before taking LEIS 4101.03 and LEIS 4102.03, they must have satisfied the requirements for the Honours Program. With the approval of the Honours Coordinator, it may be possible to take certain pre-requisite courses concurrently with LEIS 4101.03 and LEIS 4102.03. Application is made through the Honours Coordinator (details in the BSc (Recreation) with Honours section). Acceptance into the Honours Conversion program can only be considered provided a faculty member has agreed to supervise the project.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions - Health and Human Performance

HAHP 1000 Introduction to Health, Health Promotion and Health Professions

CREDIT HOURS: 3

This course provides the philosophical and practical scope of the School's unique perspective on health. It includes an examination of theories, research, politics and practices that have helped to define health, and health promotion as an umbrella for health-related activities. An historical perspective of health and healthcare is offered and current international, national and local issues are considered. Also included is an introduction to the professional streams offered in the School and how they fit into health promotion and the Canadian healthcare system.

FORMAT: Lecture| Seminar

HAHP 2000 Human Growth and Development

CREDIT HOURS: 3

A study of factors influencing human growth and development from birth to maturity and throughout the lifespan, as revealed by observational and experimental studies.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to students in the School of Health and Human Performance, and Bachelor of Health Science students. Others by permission of instructor with priority to Health Professions students.

HAHP 3000 Community Development

CREDIT HOURS: 3

This course examines the nature and process of community development, reviews differing interpretations and approaches to community development, and provides students the opportunity to develop skills to catalyze and engage in the process. The course will investigate current Canadian initiatives and projects that encourage the practice of community development, and provide the opportunity to witness and become involved in local health-related projects that foster the principles of community development.

FORMAT: Lecture| Tutorial| Discussion

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to students in the School of Health and Human Performance.

HAHP 3100 Introduction to Research Methods

CREDIT HOURS: 3

This course provides students with basic knowledge for conducting research in health professions. The content covers ethics associated with research, research design, issues in measurement, sampling, data collection strategies, data analysis and report writing. Students will learn about different approaches to research from the classical scientific model to more subjective interpretative models of inquiry. Testing, as well as written assignments will serve as evaluative techniques.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to students in the School of Health and Human Performance, and Bachelor of Health Informatics students.

EXCLUSIONS: HSCE 3010.03

Course Descriptions - Health Promotion

HPRO 1000 Introduction to Health, Health Promotion and Health Professions.

CREDIT HOURS: 3

This course provides the philosophical and practical scope of the School's unique perspective on health. It includes an examination of theories, research, politics and practices that have helped to define health, and health promotion as an umbrella for health-related activities. An historical perspective of health and healthcare is offered and current international, national and local issues are considered. Also included is an introduction to the professional streams offered in the School and how they fit into health promotion and the Canadian healthcare system.

FORMAT: Lecture| Seminar

EXCLUSIONS: HAHP 1000

HPRO 1195 Introduction to Health Promotion

CREDIT HOURS: 3

While students are developing knowledge, understandings, attitudes and appreciations related to health and professional health promotion, they will be improving skills in library research, scholarly writing, and public speaking. In addition to the regular classroom meetings, the course includes a self-study assignment related to the organization and functioning of a charitable community-based health-related agency.

FORMAT: Lecture| Seminar| Discussion

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 2110 Health Promotion Theory

CREDIT HOURS: 3

This course is designed to encourage those working and studying in the areas of health promotion to better understand the connection between health promotion theory

and research, policy and community practice. This course will also provide students with an opportunity to explore and critically analyze the principal methods and theoretical approaches in the evolution and assessment of evidence for effectiveness of health promotion programs and interventions.

PREREQUISITE: HPRO/HEED 1195.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 2120 Health Promotion Policy

CREDIT HOURS: 3

The purpose of the course is to introduce students to the concept of policy and health promotion policy in particular. Students will be exposed to content that describes how policy is developed/approved/changed on the basis of research/evidence and what processes/tools can be used to influence political decision-making as it relates to the adoption of new/changed policy. Through the use of case studies, students will be asked to critically analyze existing health promotion policies and understand issues related to policy interpretation, application and compliance at national, provincial and local levels.

PREREQUISITE: HPRO/HEED 1195.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 2255 Drugs and Drug Education

CREDIT HOURS: 3

International, national and regional issues of promotion, prevention, treatment and legislation of drug use are examined. Recreational, over-the-counter and some prescription drugs will be considered. Some strategies and methods of educating about drugs and drug-related issues will be included.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to School of Health and Human Performance students. Others by permission of instructor, with priority to Health Professions students.

HPRO 2361 Program Planning

CREDIT HOURS: 3

Designing, planning, implementing and evaluating programs is fundamental to both leisure services and health promotion. Both disciplines develop programs to enhance the quality of life for individuals, groups and communities. This course reviews the principles of program planning, various program planning models, and examples of programs that are pertinent to leisure services and health education/promotion. The planning process will include issues such as targeting specific populations, scanning for needs and assets, partnering, managing stakeholder relationships, and evaluation.

FORMAT: Lecture| Discussion

PREREQUISITE: HPRO/HEED 1195.03 or LEIS 1127.03

CROSS-LISTING: LEIS 2361.03

RESTRICTIONS: Restricted to Recreation and Health Promotion students

HPRO 3250 Interdisciplinary Class in Human Nutrition

CREDIT HOURS: 3

This course focuses on the science of nutrition and the role of nutrition in health. We study how the body responds to different nutrients including protein, carbohydrate, fat, vitamins, minerals, and water. Current knowledge and controversies regarding the role of diet in disease and optimal health will be explored.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: KINE 3250

RESTRICTIONS: Restricted to students in 2nd year or higher.

EXCLUSIONS: HPRO 2250

HPRO 3325 Mental Health Promotion

CREDIT HOURS: 3

Concepts and issues of mental health are explored through an examination of related theories, research, writings and practices. Emphasis is placed on promoting individual and community mental health, but mental illness and its treatment are included. Mental health-related organizations and services will also be studied.

FORMAT: Lecture| Seminar

PREREQUISITE: PSYO 1011.03 or 1021.03 and PSYO 1012.03 or PSYO 1022.03, HAHF 2000.03, or permission of instructor

RESTRICTIONS: Restricted to School of Health and Human Performance students; limited space for other students may be made available.

HPRO 3335 Introduction to Disease Prevention

CREDIT HOURS: 3

This course will consider the concept of disease, the study of disease, and the causes of disease from the perspective of prevention. Primary, secondary and tertiary prevention strategies and methods will be examined, along with the role of the health promotion specialist. Selected communicable diseases will be used to illustrate these concepts.

FORMAT: Lecture| Discussion

PREREQUISITE: ANAT 1020.03 or ANAT 1010.03, HPRO/HEED 1195.03, PHYL 1010X/Y.06 or PHYL 1000X/Y.06, or PHYL 2030X/Y.06, or permission of instructor

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor, with priority to Health Professions students

HPRO 3345 Epidemiological Approach to Disease

CREDIT HOURS: 3

This course introduces students to the basic concepts of epidemiology - the study of the causes and distribution of disease in human populations. Emphasis will be on disease causation, morbidity and mortality through studying selected chronic conditions. In addition, this course examines social determinants of health and their relationship to chronic conditions.

FORMAT: Lecture| Discussion

PREREQUISITE: ANAT 1020.03, or ANAT 1010.03, HPRO/HEED 1195.03, PHYL 1010X/Y.06 or PHYL 1000X/Y.06 or PHYL 2030X/Y.06, or permission of instructor

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor, with priority to Health Professions students

HPRO 3351 Injury Prevention and Safety Education

CREDIT HOURS: 3

Students are introduced to the concept of safety, the causes and effects of injuries, and strategies for reducing same through safety education, engineering and legislation. Specific study of injuries, their causes, and preventive measures and programs is preceded by a review of definitions of health, health promotion/education models and policies. The latter part of the course focuses on community orientations to injury prevention.

FORMAT: Lecture| Discussion

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor, with priority to Health Professions students

HPRO 3360 Multicultural Health Promotion Research and Policy

CREDIT HOURS: 3

The purpose of this course is to provide students with an opportunity to explore the distinct and integrated influence of research and policy on the health of multicultural populations within the Canadian context. In particular, this course will assist students in developing a critical understanding of the intersection of multicultural health with policies and power. Through engagement with multidisciplinary perspectives, students will examine health research and policy issues pertaining specifically to New Canadians (Immigrants), African Canadians, and Aboriginal peoples.

PREREQUISITE: HPRO/HEED 1195.03, HPRO 2110.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 3370 International Health Promotion Research and Policy

CREDIT HOURS: 3

The main goal of the course is to introduce students to the ways in which health promotion research questions, methods and ethics, as well as health policies, vary depending upon the specific international context (local and national). A comparative analysis will be undertaken of the disparities in health/well-being between (and within) developed and developing countries while considering the historical development of underdevelopment. Each year the students will choose from a number of cases two that will be examined in-depth by the class. Students will choose from among a variety of key global health issues (e.g. tobacco addiction, health issues for migrant workers, HIV/AIDS and nutrition). Focus will be placed on the social determinants of these health issues/problems, and the types of health promotion research and policy issues needed to address these health problems within particular geographical contexts/countries. One of the central tenets of the course is how societies are organized, and the way in which resources are invested and whose interests the investments serve, affect the health of individuals and populations within the society.

PREREQUISITE: HPRO/HEED 1195.03, HPRO 2110.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 3397 Community Health Promotion Strategies

CREDIT HOURS: 3

A broad spectrum of health promotion strategies is available to facilitate health in various community settings and with diverse populations. The course reviews these major strategies and offers students practice in applying them. In addition, the various models and theories of health behaviour change will be examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: HPRO/HEED 1195.03, HPRO/HEED 2361.03

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor with priority to Health Professions students

HPRO 4101 Advanced Topics in Applied Research Methods in Health Promotion and Policy

CREDIT HOURS: 3

The purpose of this course is to provide students with an opportunity to develop their understanding of research methodologies and apply their knowledge to a specific health promotion topic. Health policies will be discussed and considered relative to specific health issues.

PREREQUISITE: HPRO/HEED 1195.03, HAHF 3100.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 4102 Honours Thesis

CREDIT HOURS: 3

The purpose of the course is to develop research skills by completing a major independent research project and writing a formal research report in the form of a thesis. By way of their research, students will demonstrate skills, knowledge and ability in literature research, research design, data collection/analysis and formal academic writing.

PREREQUISITE: HAHF 3100.03 and HPRO 4101.03 with a grade of B or better in each, and ethical approval by August 1.

RESTRICTIONS: Restricted to Health Promotion honours student.

HPRO 4365 Health: A Biopsychosocial Approach

CREDIT HOURS: 3

Health is increasingly recognized as multiply determined by the complex interactions of biological, psychological, and social systems and determinants. Research into these interactions is advancing rapidly. Students in this course are expected to develop an understanding of these processes, be aware of the most recent research and be capable of seeking out new research in the future and applying this knowledge to health problems in Canada.

PREREQUISITE: HPRO 3335.03 or HPRO 3345.03

RESTRICTIONS: Restricted to Health Promotion students. Others by permission of instructor with priority to Health Professions students.

HPRO 4412 Human Sexuality

CREDIT HOURS: 3

This course is concerned with biological, cultural, ethical, historical, psychological, religious and semantic aspects of human sexuality. Four themes are threaded throughout the course - diversity in gender roles and in sexual attitudes, behaviours and customs; critical thinking; making responsible decisions; sexual health. The course is designed to support positive integration of sexuality into the lives of individuals and to foster the prevention of sexuality-related problems, at all stages of life.

FORMAT: Lecture| Discussion

CROSS-LISTING: GWST 2412.03

HPRO 4422 Environmental Health

CREDIT HOURS: 3

Individual health and well-being is partially determined by the values we hold and the choices we make as individuals. Equally important is the environment that enables us to make those choices that maintain and enhance our health. This course emphasizes the importance of the environment, both physical and social, and how it is implicated in the work of health promoters and other health professionals. The content reviews principles of natural and social ecology, the role of policy in shaping our environments, and research aimed at understanding the impact of various environmental conditions on health. Students will explore environmental health issues

within the community and propose educational strategies to maintain and enhance health and well-being.

FORMAT: Lecture| Discussion

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor, with priority to Health Professions students

HPRO 4450 Comprehensive School Health Promotion

CREDIT HOURS: 3

This course will provide students with an overview of the components of a comprehensive health promotion program in the public school system from a community health promotion perspective. The school health curriculum, school health services, and the healthy school environment - and how a community health promoter might interact with the school system will comprise the content of the course.

FORMAT: Lecture| Tutorial

PREREQUISITE: HPRO 1195.03, HPRO, 2110.03, HPRO 2361.03, HPRO 3397.03; at least two of HPRO 2255, HPRO 4412, HPRO 4365, HPRO 3335, HPRO 3345, or HPRO 3351

RESTRICTIONS: Restricted to Health Promotion students in their final year of study.

HPRO 4495X/Y Health Promotion Internship

CREDIT HOURS: 15

This course is an extended professional development internship during the final year of study. It requires completion of a 14-week, 40 hours per week internship in a health promotion agency. The internship involves an in-depth agency analysis and the completion of a special service project for the agency, as well as several other academic projects. Details of the goals and specific procedures for the internship are contained in the current Internship Handbook.

FORMAT: Lab

PREREQUISITE: Completion of all other program requirements and approval of the Student Services Administrator. A Standard First Aid and Level C CPR Certification.

RESTRICTIONS: Restricted to Bachelor of Science (Health Promotion) students in their final term.

HPRO 4800X/Y Independent Study

CREDIT HOURS: 6

The Independent Study allows students to develop an area of specialization with library, laboratory or field research, under the tutelage of an appropriate faculty member.

NOTE: Course Details listed here also apply to HPRO 4801/HPRO 4802.

NOTES: Students may take no more than a total of 6 credit hours of independent studies.

FORMAT: Tutorial

PREREQUISITE: Fourth year status; a GPA of at least 3.00; a "B" grade in an earlier class in the area of study (where appropriate); consent of advisor; consent of tutor. Intention to register for an Independent Study should be confirmed with the undergraduate secretary by April 1st of the preceding academic year.

RESTRICTIONS: Restricted to School of Health and Human Performance students; others by permission of instructor, with priority to Health Professions students

HPRO 4801 Directed Study

CREDIT HOURS: 3

See HPRO 4800.

HPRO 4802 Directed Study

CREDIT HOURS: 3

See HPRO 4800.

Course Descriptions - Kinesiology

KINE 1102 Physical Activity and Health

CREDIT HOURS: 3

This course is designed to introduce students to the connection between exercise and health. The lecture portion explores how exercise affects the most prevalent diseases currently afflicting our society. The laboratory portion is designed to help students develop a progressive exercise program for themselves based on their current fitness and strength levels as well as physical activity preferences.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Kinesiology students only

KINE 1104 Foundations in Kinesiology

CREDIT HOURS: 3

The objective of this course is to introduce students to Kinesiology as a discipline and for them to learn about the sub-disciplines and content areas that contribute to the general body of knowledge in Kinesiology. In addition to understanding what these sub-disciplines are, students will gain an understanding of the interrelationships among these sub-disciplines and the types of careers that students can enter. Students will be exposed to discipline content as well as the methods of measurement and evaluation and the technology involved in each of the disciplines. Problem Based Learning (PBL) will be used as the course instruction method.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

RESTRICTIONS: Restricted to Kinesiology students

KINE 1106 Philosophy and Ethics for Kinesiologists

CREDIT HOURS: 3

Physical activity figures prominently in many aspects of society and culture. Kinesiologists are in a unique position to bridge the gap between the scientific study of physical activity and the implementation of physical activity programs in public and professional contexts. This course develops core principles in philosophy and ethics to help the aspiring kinesiologist think about and evaluate their role in society. Debate and critical analysis will figure prominently in the course.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Kinesiology students only

KINE 1108 Psychology and Physical Activity

CREDIT HOURS: 3

Physical inactivity is widely recognized as a lifestyle associated with considerable health risk. The challenge of increasing the level of physical activity in the population requires an in-depth understanding of the individual and environmental factors that either promote or inhibit regular activity. Accordingly, this introductory course will provide students with the fundamental knowledge of how psychological concepts are related to physical activity participation and health. The main focus is to provide (a) a basic understanding of various social-psychological concepts and principles involved in health and exercise psychology, and (b) to see how these concepts and principles might be translated into promoting health and wellness via physical activity participation. Core concepts include the basics of psychology research, theories, motivation, adherence, and behaviour modification.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Priority given to Kinesiology students

KINE 2310 Physiology of Exercise

CREDIT HOURS: 3

This is an introductory course for students with a basic knowledge of anatomy and physiology. It concentrates on the respiratory, cardiovascular and neuromuscular systems in terms of their involvement during exercise, their adaptation to different types of training and how they limit performance during exercise in different environmental conditions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ANAT 1020.03 or ANAT 1010.03, PHYL 1010.06 or PHYL 1000.06 or PHYL 2030.06

RESTRICTIONS: Restricted to Kinesiology students

KINE 2320 Kinesiological Anatomy

CREDIT HOURS: 3

Neuroanatomical and musculoskeletal structures are presented and discussed in order to establish the understandings necessary for an in-depth analysis of human movement.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: ANAT 1020.03 or ANAT 1010.03 and PHYL 1010.06 or PHYL 1000.06 or PHYL 2030.06.

RESTRICTIONS: Restricted to Kinesiology students

KINE 2430 Motor Control and Learning

CREDIT HOURS: 3

This course deals with efficiency in completing movements to achieve a desired goal. It involves systematic changes in perception of the environment, decisions about what movements to make, as well as changes in how these movements are carried out. This course covers what is known about these processes as well as how this information can be applied.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Kinesiology students

KINE 2465 Introductory Biomechanics

CREDIT HOURS: 3

The purpose of this course is to introduce students to the area of biomechanics in human motion analysis. Students will be exposed to the concepts of kinematic and kinetic analysis of motion as well as muscle forces and moments of force as applied to the human system.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1300.06 or PHYC 1310.03

RESTRICTIONS: Restricted to Kinesiology students

EXCLUSIONS: PHYC 2610.03

KINE 3010 Introduction to Disability and Disability Management

CREDIT HOURS: 3

This course provides an overview of Disability Management theories, terminology and processes. Particular emphasis is on introduction to the practice of Disability Management, comprehending the relationship between occupation and disability, and, understanding the dynamic impact of disability on return to work.

CROSS-LISTING: DISM 3010.03

KINE 3200 Sociocultural Issues in Physical Activity

CREDIT HOURS: 3

This course will provide students with an introduction to social theory, culture, and social psychology as applied to physical activity and sport. While recognizing that physical activity does not take place in a social vacuum, and that social content often influences how physical activity and sport are experienced, this course explores participation in, and perceptions of physical activity and sport according to gender, social class, age, sexual orientation, ethnic group and nationality. The meaning of physical activity and sport in society, the role of Canadian public policy in promoting and facilitating participation in physical activity, and sport as an agent for social change will also be explored.

FORMAT: Lecture

RESTRICTIONS: Restricted to Kinesiology students.

KINE 3250 Interdisciplinary Class in Human Nutrition

CREDIT HOURS: 3

This course focuses on the science of nutrition and the role of nutrition in health. We study how the body responds to different nutrients including protein, carbohydrate, fat, vitamins, minerals, and water. Current knowledge and controversies regarding the role of diet in disease and optimal health will be explored.

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
CROSS-LISTING: HPRO 3250.03, NURS 4800, KINE 5990
RESTRICTIONS: Restricted to students in 2nd year or higher.
EXCLUSIONS: KINE 2250

KINE 3320 Anatomical Basis of Human Movement

CREDIT HOURS: 3

The purpose of this course is to integrate information from movement sciences in order to analyze a broad spectrum of human activities, from simple single contractions to complex patterns of both fine motor and gross motor activities. Industrial, recreational, sport and fitness movements will be examined using an integrated digital video/8 channel EMG approach.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ANAT 1020.03 or ANAT 1010.03, PHYL 1010.06 or PHYL 1000.06 or PHYL 2030.06, KINE 1104.03, KINE 2310.03, KINE 2320.03, KINE 2430.03, KINE 2465.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3384 Physical Activity for Persons with Disabilities

CREDIT HOURS: 3

The etiology and effects of the more prevalent disabling conditions form the bases of strategies for teaching, coaching and rehabilitating those affected. Emphasis is placed on the physical components of disability and the adaptation of the environment and equipment to facilitate learning of ADL skills and sport. A practicum is required.

FORMAT: Lecture

PREREQUISITE: KINE 2320.03

KINE 3414 Exercise Testing and Prescription for Healthy Populations

CREDIT HOURS: 3

The class will cover basic exercise testing techniques required to assess physical fitness as well as the knowledge required to design physical activity/exercise programs for healthy populations (children and youth, adults and older adults). Techniques to assess aerobic fitness, body composition, muscular endurance and flexibility will be covered in laboratory sessions.

FORMAT: Lecture| Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: KINE 2310.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3419 Application of Physiological Principles to Human Performance

CREDIT HOURS: 3

This course focuses on physiological adaptations made by the body to different kinds of physical training. How selected factors can influence these adaptations is also examined. Students apply their knowledge of exercise physiology to athletic performance in a research project.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: KINE 2310.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3430 Principles of Skill Acquisition

CREDIT HOURS: 3

This course will provide students with experience in applying the theoretical concepts of motor control and learning. Variables that impact on skill acquisition, practice and instruction will be examined and applied. Real world settings will be used to illustrate the application of the principles of skill acquisition.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: KINE 2430.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3440 Neural Basis of Sensory and Motor Function

CREDIT HOURS: 3

This course will provide students with a comprehensive understanding of the neural systems that mediate sensory and motor functions in the human. Proprioception, vision, somatosensation and vestibular sense will be explored in detail. Spinal reflexes, supraspinal pathways and cortical systems will be analyzed in detail, using case studies to illustrate key principles. Students will learn about the major classes of neurological movement disorders, from assessment to intervention. The course will build upon introductory courses in neural basis of behaviour.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: KINE 2430 or PSYO/NESC 2470

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3476 Principles of Ergonomics

CREDIT HOURS: 3

This course applies health and human performance concepts in kinesiology to the workplace. The course content includes identifying characteristics of work environments and the effect on performance and health, the design of effective workplaces and the use of training and educational programs to increase productivity and to reduce injuries.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: KINE 2310.03; KINE 2320.03; KINE 2430.03; KINE 2465.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3482 Prevention and Care of Injuries

CREDIT HOURS: 3

An introduction into the fields of Sports Medicine and work-related musculo-skeletal disorders, specifically the basic injury mechanisms, early recognition, care and prevention, pathology, tissue healing, emergency care, and basic principles of therapeutic exercise and modalities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ANAT 1020.03 or ANAT 1010.03, PHYL 1010.06 or 1000.06 or PHYL 2030.06, KINE 2320.03

RESTRICTIONS: Restricted to School of Health and Human Performance students. Others by permission of instructor, with priority to Health Professions students.

KINE 3485 Psychology of Sport

CREDIT HOURS: 3

This course offers an awareness and understanding of the phenomena involved in mental preparation in sport. It will systematically analyze, investigate and assess psychological skills, attributes and preparation in this area, and their application in other environments. Emphasis will also be placed upon personal experience and practical application.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03, 1021.03 or 1031.03 and PSYO 1012.03 or 1022.03 or permission of instructor

KINE 3500 Principles of Measurement and Evaluation

CREDIT HOURS: 3

An introduction to the fundamentals involved in measurement and evaluation, including writing objectives, designing and administering tests, organizing and analyzing test results. Tests used to measure physical fitness, specific motor skills and health knowledge are investigated.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: KINE 1104.03, ANAT 1020.03 or 1010.03, PHYL 1010.06 or PHYL 1000.06 or PHYL 2030.06, STAT 1060.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 3740 Coaching Science Seminar

CREDIT HOURS: 3

The purpose of this course is to provide students with the opportunity to learn about the fundamental principles and concepts of effective coaching planning and practice. Students will explore the role of the coach; the philosophical approaches to coaching pedagogy; the holistic attainment of individual potential; as well as the coaching code of ethics. Identification of issues related to risk management; developmental age; skill analysis and development; and physical preparation will also prepare students to meet the requirements for the Part A and Part B of the Theory component of the National Coaching Certification Program (NCCP).

FORMAT: Lecture

PREREQUISITE: HAHP 2000, KINE 1104, KINE 2310, KINE 2320, KINE 2430, KINE 2465

KINE 3741 Coaching Science Practicum

CREDIT HOURS: 3

The purpose of this course is to provide students with the opportunity to observe, identify, apply and evaluate the fundamental principles and methodologies of coaching that are associated with the creation of an effective practice, and training environment, for the developing athlete. This will be facilitated through the completion of a twelve week placement with a school, or club, mentor coach.

PREREQUISITE: KINE 3740.03

KINE 4108 Mind/Body Connections and Well-being

CREDIT HOURS: 3

The connection of mind and body as it relates to well-being is addressed through a survey of complementary (or alternative) healthcare practices including mind/body medicine (e.g., relaxation, meditation), therapeutic systems (e.g., chiropractic, homeopathy), herbology, bodywork techniques (e.g., massage, pressure point therapies), movement therapies and exercises (e.g. Alexander, yoga) and integrated medical systems (e.g., Chinese medicine, Ayurveda). Theoretical and scientific bases of each are covered and controversies surrounding these practices are addressed. This course is not designed to train students to be practitioners of any technique.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: HAHP 3100.03

RESTRICTIONS: Restricted to students enrolled in their final year of study in the School of Health and Human Performance or by permission of instructor

KINE 4412X/Y Advanced Exercise Testing and Prescription for Clinical Populations

CREDIT HOURS: 6

This class will cover advanced exercise testing techniques (e.g. graded exercise testing, ECG, etc.) required to assess physical fitness in clinical populations as well as the theory required to design exercise programs for these populations. Pathophysiology and basic pharmacology will also be discussed. Disease topics covered include cardiovascular, pulmonary, metabolic and autoimmune diseases. SIGNATURE REQUIRED

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: ANAT 1020.03 or 1010.03, PHYL 1010.06 or PHYL 1000.06 or PHYL 2030.06, KINE 2310.03, KINE 3414.03, KINE 3419.03, CPR

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4466 Advanced Biomechanics

CREDIT HOURS: 3

This course takes a quantitative approach to understanding human movement from a mechanical perspective. Concepts presented in the course will be illustrated with examples taken from the areas of sport, exercise, activities of daily living, and ergonomics. Students will be introduced to several techniques used in biomechanics research.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 2
PREREQUISITE: KINE 2465.03
RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4577 Cognitive Ergonomics

CREDIT HOURS: 3

This course examines the role of cognition in injury prevention and human performance in the workplace. The course generally takes an information processing approach to consider the various topics and related issues. The course requirements include a written test on the content, a data collection project and a class presentation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: KINE 3476.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4578 Physical Ergonomics

CREDIT HOURS: 3

This advanced level course examines the application of the physical sciences in the productivity, health and safety of the workplace. The course will consider the design of work and the workplace from a physical science perspective. Due emphasis will be placed on the importance of the understanding of, and designing for, the capacity and capabilities of the human operator. When possible, the course will consider the present national and international standards in health and safety related to the content areas. The course requirements include a written test on the content, a project and a class presentation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: STAT 1060.03 or STAT 2060, KINE 2310.03, KINE 2320.03, KINE 2465.03, KINE 3476.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4588 Clinical and Occupational Kinesiology

CREDIT HOURS: 3

This advanced level course examines the role that Kinesiology can play in clinical and occupational settings. In particular, the course will expose the student to an integrated approach in human motion analysis with a primary focus on the use of electromyography and its relationship to other biomechanical and physiological measures. Due emphasis will be placed on the importance of understanding the strengths and weaknesses of present laboratory and field measures of human motion. The course requirements include a written test on the content, a project and a class presentation.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: KINE 3414.03, KINE 4466.03

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4600 Practicum in Kinesiology

CREDIT HOURS: 3

Students take part in a supervised practical experience that links classroom knowledge to professional practice. Under the supervision of a kinesiologist, fitness or training professional, physical or occupational therapist, ergonomist or other related professional, students gain hands-on experience in a fitness/wellness/allied health field. Students document and critically evaluate their experiences.

FORMAT: Seminar

PREREQUISITE: KINE 1104.03, KINE 2310.03, KINE 2320.03, KINE 2430.03, KINE 2465.03, HAHP 2000.03, HAHP 3100.03, KINE 3500.03, and at least three 3000 or 4000 level kinesiology courses.

RESTRICTIONS: Restricted to Kinesiology students enrolled in their final year of study in the School of Health and Human Performance.

KINE 4700X/Y Senior Seminar

CREDIT HOURS: 6

This course is tailored for small groups of students. It is designed to allow students to focus on a particular issue or set of related issues, that are not part of the regular curriculum. Part of this course could entail a practicum experience. The course will only be offered if a faculty member is available to supervise the work.

NOTE: Course Details listed here also apply to KINE 4701/KINE 4702.

NOTES: Students taking KINE 4700 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

FORMAT: Seminar

RESTRICTIONS: Restricted to Kinesiology students in their final year of study.

KINE 4701 Senior Seminar

CREDIT HOURS: 3

See KINE 4700.

KINE 4702 Senior Seminar

CREDIT HOURS: 3

See KINE 4700.

KINE 4740 Advanced Coaching Science Seminar

CREDIT HOURS: 3

The purpose of this course is to provide students with the opportunity to learn about the advanced principles and concepts of effective coaching planning and practice. Students will design, quantify and monitor a season training plan using PLAN software, addressing the performance factors of speed, strength, suppleness, stamina and skill appropriate to the maturational level of the athlete, as well as the integration of psychological preparation and competitive strategies. The course will also prepare students to meet the requirements for Level Three of the Theory component of the national Coaching Certification Program (NCCP).

FORMAT: Lecture

PREREQUISITE: KINE 3740.03 and KINE 3741.03, Level 1 Technical, National Coaching Certification Programme. (Students are required, at their own expense, to pursue this certification externally.)

KINE 4741 Advanced Coaching Science Practicum

CREDIT HOURS: 3

The purpose of this course is to provide students with the opportunity to observe, identify, apply and evaluate the advanced principles and methodologies of coaching that are associated with the creation of an effective practice, and training environment, for the developing athlete. This will be facilitated through the completion of a twelve week placement with a varsity, school, or club, mentor coach. Students will also apply an intervention strategy developed to enhance a controllable specific performance factor in a sport of choice.

PREREQUISITE: KINE 4740.03

KINE 4800X/Y Independent Study

CREDIT HOURS: 6

Senior undergraduate students develop an area of specialization under the direction of a faculty member. FORMAT I: Experimental research (laboratory experiment) or other research study, 3 or 6 hours FORMAT II: Literature research, 3 or 6 hours.

NOTE: Course Details listed here also apply to KINE 4801/KINE 4802.

NOTES: Students may take no more than a total of 6 credit hours of independent studies

PREREQUISITE: The same as those for experimental research independent studies described under FORMAT I above, except that classes in research methods and statistics are not required

RESTRICTIONS: Restricted to Kinesiology students. Others by permission of instructor, with priority to Health Professions students.

KINE 4801 Directed Study

CREDIT HOURS: 3

See KINE 4800.

KINE 4802X/Y Directed Study

CREDIT HOURS: 3

See KINE 4800.

KINE 4900X/Y Honours Thesis

CREDIT HOURS: 6

Students carry out an independent piece of original research in the respective field of expertise of their supervisor. Students become familiar with the experimental procedures involved in data collection, analysis, literature searches and scientific writing.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

RESTRICTIONS: Restricted to Kinesiology honours students.

Course Descriptions - Leisure

LEIS 1127 Foundations of Recreation

CREDIT HOURS: 3

An understanding of the place and potential of leisure for individual Canadians and Canadian society is essential if we are to move beyond the conviction that only labor is to be valued. This course introduces students to concepts including play, sport, recreation and leisure; how they are viewed and valued in our society; and how they relate to health and well-being. The content provides an overview of leisure service delivery, public access to leisure opportunities, variations in leisure involvement due to social and cultural differences, and issues that are important for future leisure service professionals. Students will have the opportunity to increase writing, verbal communication and computer skills, and learn how to use the library effectively. Participation in a professional conference is a component of the learning experience of this course. The students are required to participate in an Orientation to the recreation program that will provide the environment that will create a learning community for the next three to four years of their education experience. Students are also required to join a recreation professional group while enrolled in this course.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students. Others by permission of instructor, with priority to Health Professions students.

LEIS 2127 Leisure Theory

CREDIT HOURS: 3

This course will provide an introductory analysis of leisure in modern society from sociological, psychological, and social psychological perspectives. The role of leisure in the everyday life of individuals will be discussed in terms of social relationships, life stage, gender, the family, work, attitudes and motivations, etc. In addition, since the role and function of leisure is affected by political, economic, and cultural systems, a main-level perspective on leisure will also be provided by focusing on such topics as the influence of modern technology, the commercialization of leisure, the influence of social institutions and of the mass media.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: SOSA 1002.03 and 1003.03 or SOSA 1200.06 or PSYO 1011.03, 1021.03, or 1031.03 and PSYO 1012.03 or 1022.03; LEIS 1127.03

RESTRICTIONS: Restricted to School of Health and Human Performance students. Others by permission of instructor, with priority to Health Professions students.

LEIS 2130 Foundations and Concepts of Therapeutic Recreation

CREDIT HOURS: 3

This course provides the conceptual foundation for the study of therapeutic recreation. Philosophical, conceptual and historical issues related to the delivery of therapeutic recreation services will be discussed in terms of health and health promotion. The course will also involve the examination of professional issues such as standards of practice, ethics, quality assurance, etc.; the scope of therapeutic recreation service delivery; and service delivery settings. Finally, students will be exposed to the variety of therapeutic recreation settings through site visits and observation. Students are required to join a therapeutic recreation professional group or provide the instructor with documentation on their current membership in a therapeutic recreation organization.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students. Others by permission of instructor, with priority to Health Professions students.

LEIS 2361 Program Planning

CREDIT HOURS: 3

Designing, planning, implementing and evaluating programs is fundamental to both leisure services and health education. Both disciplines develop programs to enhance the quality of life for individuals, groups and communities. This course reviews the principles of program planning, various program planning models, and examples of programs that are pertinent to leisure services and health education/promotion. The planning process will include issues such as targeting specific populations, scanning for needs and assets, partnering, managing stakeholder relationships, and evaluation.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03

CROSS-LISTING: HPRO/HEED 2361.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation), Bachelor of Science (Recreation)/Bachelor of Management and Bachelor of Science (Health Promotion) students or with permission of the instructor.

LEIS 2384 Leisure and Individuals with Disabilities

CREDIT HOURS: 3

An introduction of current philosophy, issues and practices relating to leisure opportunities for persons who, due to physical, mental, and social conditions, have difficulty gaining access to community services. An analysis of leisure behaviours, attitudes and attitudinal development, barriers, and needs of individuals with various disabilities and members of the community will be provided throughout the course. Issues related to mainstreaming, integration and normalization will be themes throughout the course. A practicum is required in order to facilitate hands-on experience with individuals with disabilities.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03

RESTRICTIONS: Restricted to School of Health and Human Performance students. Others by permission of instructor, with priority to Health Professions students.

LEIS 3127 Leisure Education

CREDIT HOURS: 3

This course is designed to provide students with the knowledge and skills required to facilitate leisure education interventions designed to bring about desired changes in the leisure behaviour of individuals with disabilities. While the focus of the course is on leisure education, the overarching concepts of health, wellness, and health promotion will be incorporated into the course material. The course will address the following three broad areas: a) concepts and models of leisure education, b) content related to specific skills required for leisure involvement [leisure awareness, values clarification, social skills development, friendship development, stress management, assertiveness, leisure resources, decision making, etc.] and c) instructional and interactional techniques used in leisure education. In addition, students will have the opportunity to plan and facilitate leisure education experiences in class.

FORMAT: Lecture| Lab| Discussion

LAB HOURS PER WEEK: 3

PREREQUISITE: LEIS 1127.03; LEIS 2130.03; LEIS 2361.03; LEIS 2384.03

RESTRICTIONS: Restricted to Recreation students. Others by permission of instructor, with priority to Health Professions students.

LEIS 3296 Leadership and Group Dynamics

CREDIT HOURS: 3

This course will focus primarily on the function of leadership and the process of small group dynamics, as applied to recreation and health education service delivery. Emphasis will be placed on the achievement of individual and group goals in health related settings. In addition, effective leadership of individuals and groups within a community, through direct experience and observation, will be emphasized.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03 or HPRO 1195.03

RESTRICTIONS: Restricted to Health Promotion and Recreation students.

LEIS 3360 Analysis of Leisure Service Delivery Settings

CREDIT HOURS: 3

Reflections on the twentieth century reveal tremendous changes in the way people live. These changes have impacted work, family structure, and mental and physical well-being, and signal the importance and need of opportunities for leisure pursuits. Leisure is one of life's greatest gifts — an important dimension influencing the quality of an individual's life. Similarly, leisure enhances the quality of life available to a society or culture. The growth of the leisure industry reflects the ever increasing value that individuals are placing upon leisure in their lives. It is essential for the student of recreation management to know and understand that leisure delivery and life satisfaction are dependent upon effective organizational analysis and the quality of services provided. This course presents historical and contemporary concepts of the diverse types of agencies and institutions providing leisure services in North America. It will review the nature and effectiveness of services provided by various leisure service agencies in the private, private non-profit, commercial recreation, travel and tourism sectors of the leisure industry. It will seek to (a) evaluate the political, social, physical and economic impact on each of the sectors, (b) determine ways of assessing the assurance of quality service delivery, and (c) find ways of motivating improvements in the identifying and meeting of consumers' leisure needs, today and in the future. Consideration is also given to organizational structure and governance within leisure service settings, and the incorporation of the "benefits based approach" to leisure service delivery.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS/HPRO/HEED 2361.03, MGMT 1000.03, MGMT 1001.03, MGMT 2801.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation)/Bachelor of Management students. Others by permission of instructor, with priority to Health Professions students.

LEIS 3362 Financial Management and Fundraising

CREDIT HOURS: 3

This course builds on previous functions of management such as program planning and analysis of leisure services by further focusing on the budgeting process, cost analysis, pricing of services, resource inventory and management, fundraising and grant writing. Strategic analysis of economic trends in understanding financial management, purchasing, inventory control, fiscal policy and accountability, and financial auditing will also be examined. Course content will be presented through lecture, case study analysis, budget, and grant proposal development. Such information will be applicable to management of public, private, commercial and/or community non-governmental recreation, health, and/or sport organizations.

PREREQUISITE: LEIS/HPRO/HEED 2361.03, MGMT 2101.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation)/Bachelor of Management students. Others with permission of the instructor.

EXCLUSIONS: LEIS 4361.03

LEIS 3370 Recreation Facility Design and Operations Management

CREDIT HOURS: 3

This course will emphasize the management functions of planning, organizing, and coordinating as it looks at the role of the manager in effectively managing recreation physical facilities and environmental resources. The course will review the new and emerging trends in facility design and cover the management process in the planning, and construction of indoor and outdoor recreation facilities, parks, playgrounds and pools. The course content will also focus on the core operational management competencies essential for the management of recreational facilities: namely, organizational structure and staffing; facility operations and maintenance, control and security; risk management and litigation; equipment procuring and inventory control.

FORMAT: Lecture

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2361.03/HPRO 2361.03/HEED 2361.03, MGMT 1601.03, MGMT 2303.03 and MGMT 2304.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation)/Bachelor of Management students. Others by permission of instructor, with priority to Health Professions students.

LEIS 3426 Therapeutic Recreation Service Delivery

CREDIT HOURS: 3

Issues related to the delivery of therapeutic recreation services will be the focus of this course. In particular, the following topics will be addressed: documentation in therapeutic recreation; client assessment issues; therapeutic recreation program planning (identifying client needs, selecting appropriate interventions, task and activity analysis, planning change-oriented programs, writing behavioural objectives, etc.); program and client evaluation; written plans of operation. The final component of this course will be the opportunity to work with individuals with disabilities in a program planning context.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2130.03, LEIS/HPRO/HEED 2361.03, LEIS 2384.03, KINE 3384.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students. Others by permission of instructor, with priority to Health Professions students.

LEIS 3492 Counselling for Health and Well-being

CREDIT HOURS: 3

This course is designed to provide students with the knowledge and skills required to utilize effective communication and helping behaviours which are designed to facilitate change in the leisure behaviour of individuals with disabilities or other health problems. While the focus of the course is on facilitation techniques, the overarching concepts of quality of life, health, and health promotion will be incorporated into the course material. The course will address four broad topical areas: a) concepts of quality of life, health, health promotion, and lifestyle; b) concepts and models of helping; c) communication skills and therapeutic techniques; d) lifestyles issues related to health and well-being. Finally, students will have the opportunity to practice counselling techniques through role playing and simulations.

FORMAT: Lecture| Lab| Discussion

LAB HOURS PER WEEK: 3

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students. Others by permission of instructor, with priority to Health Professions students.

LEIS 4101 Advanced Research Methods

CREDIT HOURS: 3

The purpose of this course is to provide students with an opportunity to develop their understanding of research methodologies and apply their knowledge to a specific recreation/leisure studies topic. Theories and methodologies will be discussed with relevance to leisure studies. The students will develop an honours thesis and ethics proposal as part of the course requirements.

PREREQUISITE: LEIS 1127.03, HAHP 3100.03

RESTRICTIONS: Restricted to Recreation honours students.

LEIS 4102 Honours Thesis

CREDIT HOURS: 3

The purpose of this course is to develop research skills by conducting an independent research project and writing a formal research report based on the findings.

Students will demonstrate their knowledge and ability in research methodologies, data collection, analysis, and formal academic writing.

PREREQUISITE: HAHP 3100.03 and LEIS 4101.03 with a grade of B or better in each, and ethical approval by August 1.

RESTRICTIONS: Restricted to Recreation honours students.

LEIS 4362 Recreation Entrepreneurship and Special Events

CREDIT HOURS: 3

Through lecture, discussion, and case study analysis, this course will provide the student with advanced insight and applied experience in selective people-based management concepts and functions of directing, coordinating and staffing that will be useful to the potential or practicing manager in sport administration, community, or commercial leisure and health service delivery agencies. In particular, a focus will be directed towards special event management and planning, and marketing and business plan development.

PREREQUISITE: LEIS/HPRO/HEED 2361.03, LEIS 3362.03, MGMT 2303.03, MGMT 2401.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation)/Bachelor of Management students. Others with permission of the instructor.

EXCLUSIONS: LEIS 3361.03

LEIS 4365 Administrative Concepts in Therapeutic Recreation

CREDIT HOURS: 3

This course emphasizes the essentials of management that are pertinent to being an effective practicing therapeutic recreation manager in either a clinical setting, a healthcare facility, or a community-based leisure or health service setting. After introducing the student to the theory and discipline of management and related ethical perspectives, the course will examine selective administrative functions in each of the areas of (a) *Operational Management*, i.e. budgeting and financial management, sources of revenue generation and grant writing, decision making, problem solving and conflict management, etc.; (b) *Human Services Management*, i.e., staff recruiting and selection, staff training and development, effective communication, motivation, performance appraisal, and volunteer management, etc. (c) *Consumer Management*, i.e., quality service management, practitioner performance, legal liability and risk management, etc.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03, LEIS 3127.03, LEIS 3426.03, LEIS 3492.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students. Others by permission of instructor, with priority to Health Professions students.

LEIS 4482 Therapeutic Recreation Specialization: Youth at Risk

CREDIT HOURS: 3

Youth as a sector of society and as a stage in human development is of great significance in the study of leisure. Particularly relevant is the issue of unemployment and underemployment which has created a number of problems such as low self-worth, alcohol abuse, teenage suicide, etc. There are programs being developed to address these problems, many of which are experientially based, e.g., Outward Bound, study service, service learning and national service. This course will study the phenomenon of youth development in the light of experiential educational approaches. During the course there will be an expectation that the students will meet and interact with a variety of youth. A practicum is included.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03, LEIS 3127.03, LEIS 3426.03, LEIS 3492.03, PSYO 2220.03

RESTRICTIONS: Bachelor of Science (Recreation) students in their final two years of study.

LEIS 4512 Therapeutic Recreation Specialization: Physical and Developmental Disabilities

CREDIT HOURS: 3

This course is an upper level therapeutic recreation specialization course which takes the concepts and skills learned in the previous therapeutic recreation courses and applies them specifically to clients with physical and developmental disabilities. Initially, issues related to etiology, characteristics, and treatment needs of clients with various physical and developmental disabilities will be discussed. The implications of these characteristics for therapeutic recreation services and the various service settings in which therapeutic recreation services are provided will then be examined. Finally, the therapeutic recreation service delivery issues specific to physical and developmental disabilities will be examined, including assessment procedures, program intervention techniques, etc. Site visits, observations, and simulations will be used to facilitate the application of this material.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03, LEIS 3127.03, LEIS 3426.03, LEIS 3492.03, KINE 3384.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students in their final two years of study. Others by permission of instructor, with priority to Health Professions students.

LEIS 4540 Therapeutic Recreation Specialization: Addiction and Mental Illness

CREDIT HOURS: 3

This course is an upper level therapeutic recreation specialization course which takes the concepts and skills learned in the previous therapeutic recreation courses and applies them specifically to clients with mental health problems and/or addiction. Initially, issues related to etiology, characteristics, and treatment needs of clients with addiction and mental illness will be discussed. The implications of these characteristics for therapeutic recreation services and the various service settings in which therapeutic recreation services are provided will then be examined. Finally, the therapeutic recreation service delivery issues specific to mental illness and addiction will be examined, including assessment procedures, program intervention techniques, etc. Site visits, observations, and simulations will be used to facilitate the application of this material.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03, LEIS 3127.03, LEIS 3426.03, LEIS 3492.03, PSYO 2220.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students in their final two years of study. Others by permission of instructor, with priority to Health Professions students.

LEIS 4563 Therapeutic Recreation Specialization: Aging and Lifestyle

CREDIT HOURS: 3

This course is an upper level therapeutic recreation specialization course which takes the concepts and skills learned in the previous therapeutic recreation courses and applies them specifically to older adults. Initially, issues related to theories of aging, characteristics of older adults and pre-retirement planning will be discussed. The implications of these characteristics for therapeutic recreation services and the various service settings in which therapeutic recreation services are provided will then be examined. Finally, the therapeutic recreation service delivery issues specific to older adults will be examined, including assessment procedures, program intervention techniques, documentation and efficacy of therapeutic recreation service delivery for this population. Site visits, observations, and simulations will be used to facilitate the application of this material.

FORMAT: Lecture| Discussion

PREREQUISITE: LEIS 1127.03, LEIS 2127.03, LEIS 2130.03, LEIS 2384.03, LEIS 3127.03, LEIS 3426.03, LEIS 3492.03, PSYO 2220.03

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students in their final two years of study. Others by permission of instructor, with priority to Health Professions students.

LEIS 4597X/Y Recreation Management Internship

CREDIT HOURS: 15

This course is an extended professional development internship during the final year of study. It requires the completion of a minimum 14 week, internship in a recreation service delivery agency. The internship involves an in-depth agency analysis and the completion of a special service project for the agency, as well as several other academic projects. Details of the goals and specific procedures for the internship are contained in the current Internship Handbook.

PREREQUISITE: Completion of all other program requirements and approval of the Student Services Administrator. Standard First Aid and Level C CPR certifications. Minimum cumulative GPA of 2.0.

RESTRICTIONS: Restricted to Bachelor of Science (Recreation), and Bachelor of Science (Recreation)/Bachelor of Management students in their final term.

LEIS 4598 Therapeutic Recr Internship

CREDIT HOURS: 15

NOTES: This course is an extended professional development internship during the final year of study. It requires the completion of a minimum 16 week, 35 hours per week internship in a recreation service delivery agency. The internship involves an in-depth agency analysis and the completion of a special service project for the agency, as well as several other academic projects. Details of the goals and specific procedures for the internship are contained in the current Internship Handbook.

PREREQUISITE: Completion of all other program requirements and approval of the Student Services Administrator. Standard First Aid and Level C CPR certifications. Minimum cumulative GPA of 2.0.

RESTRICTIONS: Restricted to Bachelor of Science (Recreation) students in their final term.

LEIS 4700X/Y Senior Seminar

CREDIT HOURS: 6

This course is tailored for small groups of students. It is designed to allow students to focus on a particular issue or set of related issues, that are not part of the regular curriculum. Part of this course could entail a practicum experience. The course will only be offered if a faculty member is available to supervise the work.

NOTE: Course Details listed here also apply to LEIS 4701/LEIS 4702.
FORMAT: Seminar
RESTRICTIONS: Restricted to Recreation students in their final year of study

LEIS 4701 Senior Seminar

CREDIT HOURS: 3
See LEIS 4700.

LEIS 4702 Senior Seminar

CREDIT HOURS: 3
See LEIS 4700.

LEIS 4800X/Y Independent Study

CREDIT HOURS: 6
Senior undergraduate students develop an area of specialization under the direction of a faculty member.
NOTE: Course Details listed here also apply to LEIS 4801/LEIS 4802.
NOTES: Students taking 4800X/Y.06 must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.
PREREQUISITE: A GPA of at least 3.00, a “B” grade in an earlier class in the area in which the project will be conducted (where applicable), consent of advisor, consent of faculty. Intention to register for an Independent Study should be confirmed with the undergraduate secretary by April 1st of the preceding academic year.
NOTE: Students may take no more than 6 credit hours of independent studies.

LEIS 4801X/Y Directed Study

CREDIT HOURS: 3
See LEIS 4800.

LEIS 4802 Directed Study

CREDIT HOURS: 3
See LEIS 4800.

Health Professions, Interdisciplinary

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year’s offering. For further information please contact the department.

Course Descriptions

HLTH 4040 Health Law for Non-Lawyers

CREDIT HOURS: 3

The objective of this course is to provide the non-law student with an overview of significant legal issues that arise in the healthcare context. The first part of the course covers an introduction to the Canadian legal system, the Canadian healthcare system from a legal perspective, and the nature of legal proceedings. The second part focuses on issues of particular relevance in the provision of health services; these issues may include: practice management; confidentiality and disclosure of information, including whistle blowing; consent to treatment, including issues regarding minors and those lacking capacity; mental health law; and the regulation of drugs. Finally, the third part addresses contemporary issues in health law such as cost containment, issues of care at the end of life, and the impact of human rights legislation on healthcare services and delivery.

RESTRICTIONS: Health Profession students only

Health Sciences

Location:
Building/Room: Bethune Building
Street Address 1: 1276 South Park Street
Street Address 2: 6th Floor

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Halifax, NS B3H 4R2
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Staff

Dean

Webster, W. G., PhD

Director

Gillis, C., RTR, CRGS, CRVS, CRCS, BHSc, MAEd (MSVU)

Administrative Staff

Fitzgerald, I., Administrator
Mahalik, A., Clinical Coordinator
Hubley, M., Admissions Officer

Associate Professor

Gilbert, R., BSc, MSc, PhD (Dalhousie)

Cross-Appointment, Associate Professor

Beyea, S., BSc, PhD (UNB)

Adjunct Assistant Professors

Gillis, C., RTR, CRGS, CRVS, CRCS, BHSc, MAEd (MSVU)
Spurr, K., BSc, RRT, MHI (Dalhousie), FCSRT

Adjunct Lecturers

Allain, S.
Avery, J.
Chauder, S.
Duffy, P.
Fader, K.
Gilby, J.
Gunn, C.
Lea, S.
Lushman, E.
MacDonald, B.
MacLeod, R.
Martell, R.
McCallum, A.
Munro, P.
Pendergast, N.
Scott, T.
Sharp, R.

Bachelor of Health Science Degree Program

The BHSc program is a four-year degree program that provides an integrated course of studies including both theory and practice. There is also a post-diploma offering for practising professionals. (See section on Post-Diploma)

The program offers education in six professional streams:

- Diagnostic Cytology**
- Diagnostic Medical Ultrasound
- Nuclear Medicine Technology
- Radiological Technology
- Respiratory Therapy
- Post-Diploma

**Intake to the BHSc, (Diagnostic Cytology) program is suspended for the 2015-2016 and 2016-2017 academic years.

Students follow an integrated curriculum that includes core, interdisciplinary and discipline-specific courses. Clinical practica are included in each year of study requiring a full-time commitment in the May-June time period.

In order to accommodate all third year Respiratory Therapy students in required clinical rotations, courses for this group only will begin on September 2, 2015.

Dalhousie University confers a Diploma in Health Science (for Diagnostic Cytology, Diagnostic Medical Ultrasound, and Respiratory Therapy only) and a Bachelor of Health Science (Specific Discipline) degree. The programs leading to these credentials are accredited. The University *does not* determine eligibility for certification/registry exams. Rather, through accreditation, the University ensures that graduates of its programs meet the eligibility criteria set by the professional associations. Diagnostic Cytology, Diagnostic Medical Ultrasound (General, Cardiac and Vascular), Nuclear Medicine and Radiological Technology are accredited by The Canadian Medical Association. Respiratory Therapy is accredited by The Council on Accreditation for Respiratory Therapy Education.

For the professions of Diagnostic Cytology*, Diagnostic Medical Ultrasound, and Respiratory Therapy

Students are eligible to write the certification/registry exam upon successful completion of Year 3, when all requirements for a diploma exit have been met. They are eligible even if they choose not to exit with a diploma. Students should check with faculty concerning examination dates.

Following degree completion, students in Diagnostic Medical Ultrasound may be eligible to write certification/registry exams in the specialized areas of cardiac and vascular sonography.

***Note that intake to the Diagnostic Cytology program is suspended for 2015-2016.**

For the professions of Nuclear Medicine Technology and Radiological Technology

Students are eligible to write the CAMRT certification exam upon successful completion of the Bachelor of Health Science degree.

The Professions

Diagnostic Cytology

A cytotechnologist is a health professional who specializes in detecting and diagnosing cancer at a cellular level. A cytotechnologist requires expertise and precise diagnostic skills to identify and accurately evaluate minute changes within cells to provide a diagnosis. A cytotechnologist integrates scientific knowledge, cellular morphology and clinical history to formulate a cytological report. The cytotechnologist must be comfortable with using a compound microscope as this is how s/he must spend a great portion of their day. The cytotechnologist has limited patient contact, but must communicate effectively with other health care professionals in discussing results, procedures and/or policies and practices.

Diagnostic Medical Ultrasound

The Diagnostic Medical Sonographer utilizes high frequency sound waves, specialized equipment, and other diagnostic techniques to collect detailed information on the anatomical, physiological and pathological state of the patient. This health professional is able to produce and evaluate ultrasound images and related data that are used by specialized physicians to render a medical diagnosis. Sonographers typically provide technical expertise in abdomen, superficial structures, obstetrics/gynecology, vascular and cardiac applications.

Nuclear Medicine Technology

A nuclear medicine technologist is a health professional responsible for performing diagnostic and therapeutic nuclear medicine procedures. The technologist administers radiopharmaceuticals to the patient most often by way of an intravenous injection while adhering to proper drug preparation techniques, radiation protection guidelines and patient care practices.

The technologist operates a variety of radiation detection equipment, one of which is the gamma camera, in order to provide an assessment of the distribution of the radiopharmaceutical within the patient. By using various computer programs, the technologist analyzes the data to obtain the best information from the study which is then interpreted by a nuclear medicine physician.

Optimum operation of all equipment used in the practice of nuclear medicine is accomplished by the technologist, through the accurate implementation of a quality control program involving the assessment of radiation detection equipment, gamma cameras, and computers.

Radiological Technology

The radiological technologist is a health professional who utilizes radiation to produce images of patient's anatomical structures. The quality of the image is critical as it will assist the physician in the diagnosis/treatment of the disease or injury.

The technologist must be knowledgeable and skilled in a wide variety of procedures as all body systems are imaged. Responsibilities include (but are not limited to) positioning the patient for radiologic procedures, care of the patient, appropriate choice and use of equipment, image manipulation, selection of radiation exposure factors, implementation of radiation protection techniques and critique of the radiograph. Whatever the procedure, the technologist must be adaptable to meet challenges presented by the patient's physical or psychological state.

Respiratory Therapy

A respiratory therapist is a health professional who assists in the diagnosis, treatment and health promotion of patients with cardio-respiratory disorders through therapeutic means. Respiratory therapists provide cardio-pulmonary support, including cardio-pulmonary resuscitation, mechanical ventilation support, administration of medical gases, aerosolized medications, humidity therapy and airway management. The respiratory therapist also performs respiratory assessments of patients, tests and monitors cardio-pulmonary function, assists with the transport of high-risk patients and participates in home care programs.

The therapist plays an important role in the education of patients, families and hospital staff. The therapist is also involved in the maintenance, repair, testing and evaluation of respiratory equipment. The therapist must be able to provide competent assistance in cardio-pulmonary research.

Pre-Enrolment Requirements

Immunization (current detailed version of policy can be found at

<http://www.dal.ca/fhp> (current students, Policies and Procedures, clinical placement-Immunization forms)

1. It is a regulation of the Faculty of Health Professions and affiliated health care agencies that all students must be immunized. This has been instituted to protect patients as well as to protect students and employees.
2. Upon entering the program students must show certification for current immune status against tetanus, diphtheria, measles, mumps, rubella, rubeola and varicella (chickenpox). Evidence of tuberculin testing (Mantoux – two step method) must also be shown. Annual Mantoux testing is also required. It is also recommended that students be immunized for influenza on an annual basis.
3. The Hepatitis-B vaccination is required for all students. It is a series of three injections: the second and third shots are administered one month and six months after the first injection. The vaccination lasts for several years. This cost (approximately \$105, subject to change) must be paid by the student.

Criminal Record Check

- All BHSc students must provide a criminal record check (obtained within the previous six months) prior to attendance at any Capital Health or IWK facility. An additional check may be required depending on clinical site requirements for later placements.

BLS-HCP Certification

- All BHSc students must present proof of current certification in BLS at a Healthcare Provider prior to entry into the program. Students are required to maintain current certification throughout the program.

First Aid Certification

- All BHSc students must show proof of Standard First Aid current certification prior to entry into the program. Standard First Aid must be recertified bi-annually.

N95 Mask Fit Testing

- All BHSc students must be mask fit tested for a particulate respirator according to clinical site requirements. This must be recertified every two years, and may need to be recertified annually, depending on the mask in use at your clinical site. Note: There is a cost to the student for this procedure. Consult your school for details.

Additional Costs

There are additional costs associated with all professional streams of the BHSc program, including but not limited to Standard First Aid and BLS-HCP certification, immunization, uniforms, membership in professional associations, equipment, fees for writing registry exams, mask-fit testing, criminal record check, and travel to clinical sites. These additional costs are the responsibility of the student. A detailed list is available from the School.

Intellectual, Emotional and Physical Demands

The health professions included in the Bachelor of Health Science program are intellectually, emotionally and physically demanding. It is important that students become familiar with the profession before entering the program so that they are able to function at an acceptable standard. It is common to have to lift and move heavy equipment, position patients, wear lead aprons, manipulate valves and knobs on equipment, remain on your feet for extended periods of time and move frequently from one clinical area to another. It is also common to have to view information displayed on computer monitors or on slides under a microscope. It might be necessary to distinguish fine gradations of color and to respond to alarms and buzzers. There may be emergency situations that arise in the health care setting that require students to respond immediately. Shift work may be required, including rotating 12-hour shifts. Latex gloves are in wide use and chemicals are used in a variety of settings. Refer to <http://www.dal.ca/shs> (Admissions) for Statements of Fitness required for each profession. Students who have concerns about fitness should contact the School for further information.

Program Outline

Four-Year Entry-Level Program

The curriculum is comprised of four years of full-time study with each year including core, interdisciplinary, discipline-specific, health professional and basic science courses.

Fourth-year BHSc students must meet the School's clinical skills maintenance requirements and complete the "Record of Clinical Practise for Year 4" each term, until the 4th-year classwork is completed. Students should contact the School for full details.

Diagnostic Cytology

Please note that this program has suspended admissions for the 2015-2016 academic year.

Year 1

- BIOC 1420.03
- BIOL 1020.03
- CHEM 1410.03
- DCYT 1000.03
- DCYT 1010.03
- DCYT 1500.03
- HSCE 1000.03
- HSCE 1010.03
- HSCE 1020.03
- HSCE 1030.03
- IPHE 4900.00 (section 3)
- STAT 1060.03

Year 2

- BIOL 2020.03
- DCYT 2001.03
- DCYT 2002.03
- DCYT 2010.03
- DCYT 2500.03
- HESA 4000.03
- HSCE 2000.03
- HSCE 3000.03
- HSCE 3010.03
- IPHE 4900.00 (section 3)
- MICI 1100.03
- Open Electives (three credit hours)

Year 3

- BIOL 3024.03
- BIOL 3430.03
- DCYT 3000.03
- DCYT 3010.03
- DCYT 3020.03
- DCYT 3200.03
- DCYT 3210.03
- DCYT 3220.03
- DCYT 3230.03
- DCYT 3240.03
- DCYT 3500.03
- IPHE 4900.00 (section 3)

Year 4

Required:

- HLTH 4040.03
- HSCE 4030.03
- HSCE 4200.03
- HSCE 4220.03
- IPHE 4900.00 (section 3)
- Students must select 12 credit hours from the Faculty of Health Professions. These courses can be any FHP course, which may or may not include a discipline-specific specialty practice. A Suggested FHP Electives list will be provided to the student by their academic advisor. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore allowing a maximum of 3 additional HESA electives). ** Note

- students who take all 4 DISM courses receive an additional Disability Management Certificate along with their BHSc degree.

- Open Electives (6 credit hours)*

* some courses may require the approval of the applicable department/faculty

Diagnostic Medical Ultrasound

Year 1

- DMUT 1000.03
- DMUT 1010.03
- DMUT 1020.03
- DMUT 1500.03
- HAHF 2000.03
- HSCE 1000.03
- HSCE 1010.03
- HSCE 1020.03
- HSCE 1030.03
- IPHE 4900.00 (section 3)
- PHYC 1300X/Y.06

Year 2

- DMUT 2000.03
- DMUT 2010.03
- DMUT 2020.03
- DMUT 2030.03
- DMUT 2040.03
- DMUT 2500.03
- HSCE 2000.03
- HSCE 2010.03
- HSCE 2040.03
- HSCE 3000.03
- IPHE 4900.00 (section 3)
- STAT 1060.03

Year 3

- DMUT 3000.03
- DMUT 3010.03
- DMUT 3200.03
- DMUT 3210.03
- DMUT 3220.03
- DMUT 3230.03
- DMUT 3240.03
- DMUT 3500.03
- HESA 4000.03
- HSCE 3010.03
- IPHE 4900.00 (section 3)
- Open elective (three credit hours or HLTH 4040.03 if enrolled in MRIT certificate program)
- MRIT 4100.03 (if enrolled in MRIT certificate program)

Year 4

Required:

- HLTH 4040.03
- HSCE 4030.03
- HSCE 4200.03

- HSCE 4220.03
- IPHE 4900.00 (section 3)
- Students must select 15 credit hours from the Faculty of Health Professions. These courses can be of any FHP course, which may or may not include a discipline-specific specialty practice. A Suggested FHP Electives list will be provided to the student by their academic advisor. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore allowing a maximum of 3 additional HESA electives). ** Note - students who take all 4 DISM courses receive an additional Disability Management Certificate along with their BHSc degree.
- Open elective (3 credit hours)*

* some courses may require the approval of the applicable department/faculty

Or, for an MRIT certificate:

Required:

- DMUT 4000.12
- MRIT 4110.03
- MRIT 4120.03
- MRIT 4130.03

Nuclear Medicine Technology

Year 1

- HSCE 1000.03
- HSCE 1010.03
- HSCE 1020.03
- HSCE 1030.03
- HSCE 2020.03
- HSCE 2030.03
- IPHE 4900.00 (section 3)
- NUMT 1000.03
- NUMT 1020.03
- NUMT 1500.03
- PHYC 1300X/Y.06

Year 2

- HSCE 2000.03
- HSCE 2010.03
- HSCE 2040.03
- HSCE 3010.03
- HESA 4000.03
- IPHE 4900.00 (section 3)
- NUMT 1010.03
- NUMT 2000.03
- NUMT 2010.03
- NUMT 2020.03
- NUMT 2500.03
- STAT 1060.03

Year 3

- HLTH 4040.03
- HSCE 3000.03
- HSCE 4030.03
- IPHE 4900.00 (section 3)
- MRIT 4100.03 (if enrolled in MRIT certificate program)
- NUMT 3100.03
- NUMT 3020.03
- NUMT 3200.03
- NUMT 3220.03

- NUMT 3222.03
- NUMT 3230.03
- NUMT 3500.03
- Open elective (three credit hours)

Year 4

Required:

- HSCE 4200.03
- HSCE 4220.03
- IPHE 4900.00 (section 3)
- NUMT 3210.03
- NUMT 3240.03
- NUMT 4210.03
- NUMT 4220.03
- Students must select 6 credit hours from the Faculty of Health Professions. These courses can be of any FHP course, which may or may not include a discipline-specific specialty practice. A Suggested FHP Electives list will be provided to the student by their academic advisor. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore allowing a maximum of 3 additional HESA electives).
- Open electives (6 credit hours)*

* some courses may require the approval of the applicable department/faculty

Or, for an MRIT certificate:

Required:

- MRIT 4110.03
- MRIT 4120.03
- MRIT 4130.03
- NUMT 4000.12
- Open elective (three credit hours)

Radiological Technology

Year 1

- HSCE 1000.03
- HSCE 1010.03
- HSCE 1020.03
- HSCE 1030.03
- IPHE 4900.00 (section 3)
- PHYC 1300X/Y.06
- RADT 1000.03
- RADT 1010.03
- RADT 1020.03
- Open elective (three credit hours)
- RADT 1500.03

Year 2

- HSCE 2000.03
- HSCE 2010.03
- HSCE 2020.03
- HSCE 2030.03
- HSCE 2040.03
- IPHE 4900.00 (section 3)
- RADT 2000.03
- RADT 2020.03
- RADT 2010.03

- RADT 2500.03
- STAT 1060.03
- Open elective (three credit hours)

Year 3

- HESA 4000.03
- HSCE 3000.03
- HSCE 3010.03
- HSCE 4030.03
- IPHE 4900.00 (section 3)
- RADT 3000.03
- RADT 3010.03
- RADT 3210.03
- RADT 3220.03
- RADT 3240.06
- RADT 3500.03
- MRIT 4100.03 (if enrolled in MRIT certificate program)

Year 4

Required:

- HLTH 4040.03
- HSCE 4200.03
- HSCE 4220.03
- IPHE 4900.00 (section 3)
- RADT 4200.03
- RADT 4220.03
- In year 4 of the BHSc, students must select 15 credit hours from the Faculty of Health Professions. These courses can be any FHP course, which may or may not include a discipline-specific specialty practice. A Suggested FHP Electives list will be provided to the student by their academic advisor. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore allowing a maximum of 3 additional HESA electives). ** Note - students who take all 4 DISM courses receive an additional Disability Management Certificate along with their BHSc degree.
- Open electives (6 credit hours)*

* some courses may require the approval of the applicable department/faculty

Or, for an MRIT certificate:

Required:

- MRIT 4110.03
- MRIT 4120.03
- MRIT 4130.03
- RADT 4000.12
- Faculty of Health Professions (FHP) Electives (3 credit hours)*

* some courses may require the approval of the applicable department

Respiratory Therapy

Year 1

- BIOC 1420.03
- HSCE 1000.03
- HSCE 1010.03
- HSCE 1020.03
- HSCE 1030.03
- IPHE 4900.00 (section 3)
- RSPT 1000.03

- RSPT 1020.03
- RSPT 1030.03
- RSPT 1500.03
- STAT 1060.03
- Open elective (three credit hours)

Year 2

- HSCE 2000.03
- HSCE 3010.03
- IPHE 4900.00 (section 3)
- RSPT 2000.03
- RSPT 2020.03
- RSPT 2030.03
- RSPT 2050.03
- RSPT 2063.03
- RSPT 2065.03
- RSPT 2070.03
- RSPT 2500.03
- Open elective (three credit hours)

Year 3

- IPHE 4900.00 (section 3)
- RSPT 3000X/Y.06
- RSPT 3010X/Y.06
- RSPT 3020X/Y.06
- RSPT 3230X/Y.06
- RSPT 3250X/Y.06
- RSPT 3500.03

Note: Fall term start date for RSPT year three is September 2, 2015

Year 4

Required:

- HESA 4000.03
- HLTH 4040.03
- HSCE 4030.03
- HSCE 4200.03
- HSCE 4220.03
- IPHE 4900.00 (section 3)
- In year 4 of the BHSc, students must select 15 credit hours from the Faculty of Health Professions. These courses can be of any FHP course, which may or may not include a discipline-specific specialty practice. A Suggested FHP Electives list will be provided to the student by their academic advisor. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore allowing a maximum of 3 additional HESA electives). ** Note - students who take all 4 DISM courses receive an additional Disability Management Certificate along with their BHSc degree.
- Open electives (6 credit hours)*

* some courses may require the approval of the applicable department/faculty

A note about Open Electives: Open electives in both the BHSc and BHSc-Post Diploma programs can be any Dalhousie course at any level, or any course that Dalhousie accepts as a Transfer Credit. ** Note - a student can take no more than 5 HESA courses (HESA 4000 and HLTH 4040 are required courses, therefore a maximum of 3 additional HESA electives are allowed). ** Note - student who take all 4 DISM courses receive an additional Disability Management Certificate along with their BHSc degree.

BHSc Degree Completion Program

This program requires 30 credit hours of university study. It is available only to students who have successfully completed the Dalhousie diploma portion of the BHSc degree program in the professional stream for which you are applying.

Post Diploma Program

The School of Health Sciences offers a post diploma program leading to a Bachelor of Health Science in any of: Diagnostic Cytology, Diagnostic Medical Ultrasound, Medical Laboratory Technology, Nuclear Medicine Technology, Radiological Technology and Respiratory Therapy. The program has been developed to meet the needs of practicing technologists, sonographers and Respiratory Therapists who have expressed an interest in the opportunity to complete a baccalaureate degree as a means of pursuing life long learning and increasing career opportunities.

Through a guided selection process, students will choose courses that contribute to their professional growth and interest. Students will be provided the opportunity to broaden their knowledge and scope of the Canadian health care system as well as to enhance leadership abilities and to equip themselves for participation in a rapidly changing health care environment.

The post-diploma BHSc curriculum is equivalent to two years of full time university study (60 credit hours). Courses may be completed in the sequence best suited for the student; however, attention must be paid to the course pre-requisites. To accommodate the working professional the post diploma program is available on a full time or part-time basis and most of the courses are delivered via Online Web Learning (OWL). There are university regulations concerning the maximum length of time allowed for degree completion. Refer to Academic Regulation 15.2 (Duration of Undergraduate Studies).

Required Courses (30 credit hours)

- STAT 1060.03: Introductory Statistics for Science and Health Sciences
- HSCE 1000.03: Introduction to Health Professional Practice
- HSCE 2000.03: Health Care Ethics
- HSCE 3000.03: Culture, Diversity and Health
- HSCE 3010.03: Introduction to Research Methods
- HSCE 4030.03: Leadership in Healthcare
- HESA 4000.03: Canadian Health Care Delivery
- HSCE 4200.03: Foundations in Clinical and Professional Education
- HLTH 4040.03: Health Law for Non-Lawyers
- HSCE 4220.03: Critical Research Evaluation
- Students may choose 5 electives from the Faculty of Health Professions (FHP). The Post-Diploma Advisor will provide a list of suggested courses for FHP Electives. Consult the academic timetable for details regarding the academic term and course information. ** Note - a student can take no more than 3 HESA elective courses in both the FHP Electives and Open electives combined. ** Note - students who take all 4 DISM courses receive an additional Disability Management Certificate along with their post diploma degree.
- Open elective courses (15 credit hours)*
Students may choose 5 electives from Dalhousie University. Consult the academic timetable for details regarding the academic term and course information. ** Note – a student can take no more than 3 HESA elective courses in both the FHP Electives and Open electives combined. ** Note - a student cannot repeat any courses they completed in their diploma. If a student does take a course that was completed in their diploma it will not be counted towards their health science degree. Consult the Post-Diploma advisor on any questions regarding electives.

* some courses may require the approval of the applicable department/faculty

Additional Options:

There are additional options (such as discipline-specific specialty practice, independent study courses, etc) available. Consult the Post-Diploma Advisor for approvals and information on restrictions."

Magnetic Resonance Imaging (MRI) Certificate

Entry level students in their fourth year or School of Health Sciences Alumni in Diagnostic Medical Ultrasound, Nuclear Medicine Technology and Radiological Technology may elect to complete a 24 credit hour Magnetic Resonance Imaging (MRI) Certificate. Entry level students who pursue the MRI certificate will complete courses/credit hours in addition to their normal degree requirements. (Entry level students in NUMT and RADT will complete 12 credit hours beyond the degree requirement and DMUT students will complete three credit hours beyond the degree requirement.) The 24 credit hour certificate program requires successful completion of:

- MRIT 4100.03: MRI Physics
- MRIT 4110.03: Advanced MRI Physics
- MRIT 4120.03: MRI Instrumentation, Safety and Contrast Media
- MRIT 4130.03: MRI Techniques and Applications
- DMUT 4000.12, NUMT 4000.12, or RADT 4000.12: Specialty Practice in MRI

Clinical site criteria must be met as a requirement of admission. Students enrolled in this program must meet School standards regarding BLS-HCP certification and

Standard First Aid.

Contact the School for further details.

Anaesthesia Assistant Certificate Program has been suspended until further notice.

Certificates in Cardiac or Vascular Ultrasound

Fourth-year and post-diploma students in Diagnostic Medical Ultrasound may complete a 15 credit hour program leading to a Certificate in Cardiac Ultrasound or a Certificate in Vascular Ultrasound. Working Diagnostic Sonographers who meet post-diploma requirements may also complete either of the Certificates as stand-alone credentials. The 15 credit hour certificates require successful completion of the following Dalhousie courses:

Certificate in Cardiac Ultrasound

DMUT 4020.03: Cardiac Ultrasound

DMUT 4000.12: Specialty Practice (Cardiac Ultrasound)

Certificate in Vascular Ultrasound

DMUT 4010.03: Vascular Ultrasound

DMUT 4000.12: Specialty Practice (Vascular Ultrasound)

Admission Requirements:

- Successful completion of a diploma program in Diagnostic Medical Ultrasound.
- Evidence of good standing with professional association.
- Two years of post-diploma work experience in Diagnostic Medical Ultrasound (for post-diploma applicants).

Contact the School for further details.

Regulations

All students are required to observe the University Regulations and Academic Regulations as described in this calendar.

Academic

Workload

The normal workload is 30 credit hours per year during the regular academic session (September - April). In addition, an eight to 10 week clinical practicum worth three credit hours takes place in May - June following Years 1, 2, and 3 of the BHSc program:

Fall Term	15 credit hours
Winter Term	15 credit hours
Spring Term (May-June)	three credit hours

Normally, only a full-time course of studies (30 credit hours during the regular academic year and a three credit-hour practicum in the May-June time period) can be taken in the first three years of the four-year entry-level program. Interruption of studies will only be granted for leave of absence or voluntary withdrawal. The fourth year can be pursued on a part-time basis, subject to Academic Regulation 15.2, which regulates duration of undergraduate studies.

It is the responsibility of each individual student to ensure she/he is enrolled in the courses required to complete the BHSc program of study. Therefore students are expected to meet with their academic advisors to seek counselling in this regard, to ensure that course selections and course load are appropriate, and will not cause difficulties later on in the program.

The BHSc post-diploma program is available on a part time basis.

Permission to carry more than a normal workload

A workload exceeding these credit hours in any given term will be considered an *Overload*.

- Students who wish to take on an overload must have the approval from the School of Health Sciences Academic Regulations Officer. Any student applying for an increased workload (overload) must apply at least four weeks in advance of the start of the semester or year in question.
- In their request, students should include their reasons for seeking an overload and include supporting arguments and evidence, such as their academic record and any other relevant considerations.
- Applications from students who give good reasons for wishing to take an overload will be considered. Such permission will not normally be granted to any student in the first year of study, or to any student who, in the preceding academic term, obtained a grade point average of less than 3.00.
- During Clinical Practicum and/or Clinical Education Courses no additional courses will be permitted without prior approval from the Academic Regulations Officer.
- Such requests require student completion of a Waiver of Academic Regulation Application, available from your academic advisor, or the Registrar's Office.
- Students who exceed the normal workload per academic term without the Academic Regulations Officer's approval, will be required to withdraw from the course.

Attendance at Courses

Regular and punctual attendance at courses is required; students are expected to notify instructors if they are going to miss a course. When the work of a student becomes unsatisfactory or attendance is irregular, the student may be required to withdraw from the school.

Grade Requirements

A student must receive a grade of C+ in each course with a course number in the School of Health Sciences (HSCE, DCYT, DMUT, MDLT, MRIT, NUMT, RADT, RSPT) in order for that course:

- to be counted as a credit towards the Bachelor of Health Science or Diploma in Health Science
- to be considered as a prerequisite for another course

Since most professional courses are prerequisites for more advanced courses and for clinical practica, the student's academic progress will be severely impacted by a failure. Students must seek academic advice.

Any student failing a required course for the second time must withdraw from the School of Health Sciences. Such a failure will be deemed an academic dismissal. See Regulation 20.2 for information on applying for readmission following an academic dismissal.

Students are reminded of Academic Regulations 18, 19.2 and 20.2 governing good standing, probation and academic dismissal.

Grade Point Average

A description of the grade point average (GPA) is found in Regulation 17.1.1 in the Dalhousie Undergraduate Calendar. The grade scale and definitions are found in Regulation 17.1.

Grading of Clinical Courses

Clinical education and specialty practice courses are graded on a letter grade basis.

Students who have been removed from any course due to unsafe or unsatisfactory clinical performance will receive a failing (F) grade.

Supplemental Exams

In courses with a course number in the School of Health Sciences, supplemental privileges may be granted only at the discretion of the course professor to a student with a final grade of FM (Regulation 16.5, Dalhousie Undergraduate Calendar). Each course outline will state the conditions that must be met in order to be eligible. The supplemental may be practical, written or combined practical/written exam at the discretion of the professor. Students who receive a grade of F are ineligible for supplemental privileges and will be required to repeat the course.

The date and time of the supplemental exam will be negotiated between the student and course professor within the following guidelines: For Fall Term courses, the supplemental exam must be completed before the end of the first week of classes of the Winter Term. For Winter Term courses, the supplemental exam must be passed

before the student can begin their clinical placement. In no case will a clinical placement be delayed for more than two weeks.

No more than two supplemental exams for courses with course numbers in the School of Health Sciences will be allowed in one year. Only one supplemental exam is allowed per course.

Voluntary Withdrawal

Students who voluntarily withdraw from the School of Health Sciences, having satisfactorily completed courses toward the BHSc (specific discipline) degree, with the intention of returning at a later date are advised that re-acceptance is contingent upon there being an available place.

Leave of Absence

1. Students who apply for a leave of absence (LOA) from their program of study must do so in writing to the School of Health Sciences Academic Regulations Officer. If possible, such applications should be made in advance of the term or year for which a LOA is being requested.
2. A request for Leave of Absence may be for a duration of one term to a maximum of one year in length. Students are eligible for a maximum of one such leave for the duration of their program.
3. Following approval of the application for LOA, the Academic Regulations Officer will notify the following individuals:< br/> a) The student;
b) Dalhousie University Registrar's Office;
c) Students Services office at the School; and
d) Student's academic advisor
4. Students may apply to return to the program prior to the designated end of the LOA. At the time students return to the program, the LOA is considered ended.
5. At least two to three months prior to returning to the program, students granted LOA will inform the following, in writing, of their intent to resume their studies:
a) Academic Regulations Officer; and
b) Student's academic advisor
Students should also initiate discussion with his/her academic advisor to discuss plans for resumption of courses and required remedial action plan.
6. The Academic Regulations Officer will notify the Dalhousie Registrar's Office and the Student Services office at the School of the student's planned return date to the program.
7. It is important to note that for the duration of a leave of absence, the clock stops on the six year rule for discipline-specific courses, and the 10 year rule for all other courses.
8. No academic credit will be granted towards BHSc course requirements for work completed at another institution during a LOA.
9. If a leave of absence is granted, students must ensure they formally withdraw from courses in accordance with Dalhousie University regulations.
10. Students on approved leave of absence will be considered in abeyance from regular academic programming, and therefore not a student at Dalhousie University, until such time that they reactivate their student status through the Registrar's Office.

Policy on Students at Academic Risk

The School of Health Sciences is concerned with providing students every opportunity for success in their program. Although the responsibility ultimately lies with the student, processes are in place at the School to identify, and assist students at academic risk.

The School of Health Sciences Studies at Academic Risk Policy aims to identify students at risk and recommend a course of academic and clinical remediation to ensure minimum clinical competencies are maintained.

Re-Admission of Academically Dismissed Students Policy

The primary goal of the School of Health Sciences and Dalhousie University is to ensure students are successful in their chosen profession while maintaining integrity of the program. Academic Regulation Section 20.1.3 allows for students who have been academically dismissed to apply for readmission to the University. Decisions on readmission to a program in the School of Health Sciences are made in consultation with the individual stream, clinical coordinator, and the Admissions Committee and will include, but not be limited to, consideration of availability of clinical placements.

Appeal

Students who wish to appeal a decision based on school or university regulations should consult the Chair of the Committee on Student Appeals concerning the correct procedure. Contact the School office for complete terms of reference for the Committee on Student Appeals and the application regarding academic appeals.

Clinical Education Components of Health Sciences

Health Sciences education encompasses a broad spectrum of learning experiences that together prepare caring, competent and ethical practitioners able to function in a

rapidly changing health care environment. The BHSc program is delivered through an integrated curriculum and students receive clinical education logically sequenced within core, interdisciplinary, discipline-specific, and clinical education courses and clinical practica. Clinical education components enable students to integrate theory with practice, master clinical competencies, develop critical reasoning skills and demonstrate professional behavior in a variety of settings with a diversity of patients.

Successful completion of all clinical components of the program is mandatory. Clinical practica and clinical education courses are required courses in the program of study and it is not possible to exercise the diploma exit option or to receive a BHSc degree without successfully completing these courses. In addition, each of the clinical experiences is a prerequisite for further progress in the program. Course outlines provide specific information about criteria for successful completion and opportunities for remediation.

In preparation for clinical practicum, all students must participate in a workshop dedicated to various aspects of professional behavior. The specific date is available from the School of Health Sciences.

Two elements of clinical education are:

Clinical Practicum

The program includes three clinical practica scheduled during the May - early July time period following Years 1, 2, and 3. The Clinical Practicum is designed to provide students with opportunities to develop the knowledge, skills and professional attitudes necessary to function as competent entry-level practitioners within a variety of settings and with a broad range of patients. Students are assigned to various clinical sites, based on their level within the program, the expected learning outcomes of their professional stream, and the availability of appropriate sites.

Clinical placements will be arranged by the Clinical Coordinator for the School of Health Sciences. Students may be assigned to clinical sites located within the Halifax region, throughout the Atlantic provinces, and in various sites across Canada. All expenses related to clinical placement are the responsibility of the student. Students are scheduled in a clinical setting for eight-to-ten consecutive weeks, and are supervised by faculty and/or preceptors. The normal student/preceptor ratio is one-to-one. Evaluation may include, but is not limited to, assessment of skills competencies, demonstration of professional behaviors, and application of theory to practice. Students monitor their personal and professional growth through introspection and reflection by maintaining journals, recording experiences in skills log books, successfully passing examinations or presenting case studies.

Clinical Education Courses

These courses provide students with an opportunity to gain hands-on experience in a specific area of clinical practice. Scheduling requires full-time rotations in the clinical setting and, depending on the area, may require shift work and/or off-site rotation. Students may be required to travel to a site outside Halifax in order to meet their clinical learning objectives. Preceptors supervise and guide students through this period of study and skills practice. Faculty continue to support students by facilitating seminars/tutorials, conducting assessments, providing constructive feedback and structuring learning experiences to further develop critical reasoning skills. Medical specialists and practitioners may be invited to share their expertise with students. There may be interprofessional learning experiences designed to enhance students' understanding of the team approach to health care. Evaluation methods may include, but are not limited to, a written examination to assess knowledge of subject matter, and practical assessments to confirm that clinical skills and professional behavior are readily applied at the expected level of performance. Clinical Education Courses are taken in Year 3 at all programs. In addition, Clinical Education Courses are a required part of the Year 4 curriculum for students in Nuclear Medicine Technology and Radiological Technology.

Interprofessional Health Education

Students are required to maintain enrolment in IPHE 4900 (see calendar section on Health Professions, Interprofessional Health Education) for the duration of their studies. **Please register in IPHE 4900.00 section 3.** Successful completion of this course is a requirement for graduation and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions. Students are asked to consult with their individual school/college to determine the specific guidelines and expectations regarding the required portfolio.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

DCYT Diagnostic Cytology - Course Descriptions

DCYT 1000 Diagnostic Cytology Laboratory Applications

CREDIT HOURS: 3

This course provides a comprehensive study of topics relevant to the Diagnostic Cytology laboratory. Safety, collection of specimens, interpretation of clinical data, cytopreparatory techniques, and specimen processing are examined. Topics such as quality assurance, fixation and transportation of biological specimens, record keeping and organization of the Diagnostic Cytology laboratory will be discussed. Laboratory sessions will demonstrate the techniques required to prepare, and process a specimen adequate for cytologic diagnosis. In this context, emphasis will be placed on safe professional practice and the delivery of care.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 1010 Gynecological Cytopathology I

CREDIT HOURS: 3

This course is designed to provide the foundation of gynecological Cytopathology. The purpose of the course is to introduce the basic skills and knowledge required to integrate, interpret and evaluate the cellular morphology of normal histologic tissues, cytologic cellular specimens of normal and benign processes of the female reproductive tract. Emphasis will be placed on the critical evaluation of pathologic and cytologic characteristics of normal and benign processes. The course will further allow students to maintain their professional practice in the role of respect towards the patient.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

COREQUISITE: HSCE 1030.03

PREREQUISITE: HSCE 1000.03, DCYT 1000.03, HSCE 1020.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 1500 Laboratory and Clinical Gynecological Applications I

CREDIT HOURS: 3

This clinical practicum enables the student to integrate theoretical knowledge with application to specimen procurement and normal gynecological diagnoses. The student consolidates concepts, techniques and knowledge required to perform skills introduced in DCYT 1000.03, DCYT 1010.03, HSCE 1000.03. Students are expected to work under direct supervision, assume responsibility for their actions and decisions and to interact effectively with peers, technologists, supervisors and medical staff.

PREREQUISITE: BIOL 1010.03 OR 1020.03 and DCYT 1010 and HSCE 1020, and HSCE 1030

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology.

DCYT 2001 Gynecological Cytopathology II

CREDIT HOURS: 3

This course will focus on the cellular morphology and nomenclature of abnormal and malignant disease in gynecological cytology. Emphasis will be placed on the interpretation and critical evaluation of the cellular morphology of normal, benign and malignant disease processes. A variety of therapy modalities and recent advances will be examined.

NOTES: Students taking this class must register in both DCYT 2001 and DCYT 2002 in consecutive terms.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DCYT 1500.03

RESTRICTIONS: Restricted to the Bachelor of Health Science students in the professional stream of diagnostic Cytology

EXCLUSIONS: DCYT 2000.06

DCYT 2002 Clinical Application for Gynecological Cytopathology

CREDIT HOURS: 3

This clinical education course will provide an opportunity for students to integrate theory from DCYT 2001.03 into clinical practice. This course will offer a simulated environment where diagnosis and reporting of gynecologic specimens will be the focus.

FORMAT: Lab

PREREQUISITE: DCYT 1500 and DCYT 2001

RESTRICTIONS: Restricted to Bachelor of Health Science in the professional stream of Diagnostic Cytology

EXCLUSIONS: DCYT 2000.06

DCYT 2010 Pathology and Histopathology for Diagnostic Cytology

CREDIT HOURS: 3

This course provides a basic understanding of the disease process at the tissue level. It provides the appropriate information that will allow a student to recognize conditions and to orient themselves about the origin of the cells. In the General Pathology component, topics covered include: cell injury and adaptation, inflammation and repair, disorders of growth, fluid and hemodynamic arrangements, neoplasia, environmental and nutritional diseases, microbiology and cancer. The Systems Pathology component covers all the body systems and enables the student to identify histologic processes related to various disease processes.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: DCYT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science in the professional stream of Diagnostic Cytology

DCYT 2500 Gynecological Cytopathology Practicum

CREDIT HOURS: 3

This practicum will prepare the student, in a clinical setting, to integrate and apply knowledge and skills introduced during DCYT 2000. The student consolidates cytologic concepts and microscopy skills necessary to render an accurate cytologic diagnosis. Students are required to diagnose gynecological cases ranging from normal to malignant. Students are expected to assume responsibility for their actions and decisions and to interact effectively with patients, peers, technologists, supervisors and medical staff.

PREREQUISITE: DCYT 2010.03, DCYT 2001.03, DCYT 2002.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3000 Non-Gynecological Cytopathology I

CREDIT HOURS: 3

This course provides a high level of study of non-gynecological Cytopathology. The purpose of the course is to introduce and develop the diagnostic skills required to integrate, interpret and evaluate the cellular morphology of normal, benign and malignant processes of non-gynecological specimens with particular emphasis on exfoliative cytology. Students will be introduced to the cellular morphology, nomenclature and diagnostic application of all disease processes diagnosed cytologically from all body sites external to the female reproductive tract. Emphasis will be placed on the critical evaluation of pathologic and cytologic characteristics. The students are placed in a simulated environment where diagnosis and reporting will be the focus. This environment provides an opportunity for active learning, feedback, communication between student and faculty as well as self evaluation. The course further allows students to maintain their professional practice in the role of respect towards the patient.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DCYT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3010 Non-Gynecological Cytopathology II

CREDIT HOURS: 3

This course provides a high level of study of non-gynecological Cytopathology and reflects the content provided in DCYT 3000.03. The purpose of the course is to introduce and develop the diagnostic skills required to integrate, interpret and evaluate the cellular morphology of normal, benign and malignant processes of non-gynecological specimens with particular emphasis on Fine Needle Aspiration Biopsy (FNAB) cytology. Students will be introduced to the cellular morphology, nomenclature and diagnostic application of all disease processes diagnosed cytologically from all body sites external to the female reproductive tract. Emphasis will be placed on the critical evaluation of pathologic and cytologic characteristics. The students are placed in a simulated environment where diagnosis and reporting will be the focus. This environment provides an opportunity for active learning, feedback, communication between student and faculty as well as self evaluation. The course further allows students to maintain their professional practice in the role of respect towards the patient.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DCYT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3020 Issues and Trends in Cytopathology

CREDIT HOURS: 3

Diagnostic cytology as a specialty of pathology and medicine will be scientifically analyzed. A critical appraisal of the literature relevant to advances in the detection and treatment of cancer will be conducted. Adjunctive techniques and practices will be evaluated. Emphasis will be placed on the understanding and application of research methodology. Research findings will be presented in oral and written format.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: DCYT 3000.03, DCYT 3010.03, DCYT 3200.03, 3024.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3200 Diagnostic Gynecological Cytology Application I

CREDIT HOURS: 3

This third year course is a 3.0 credit hour gynecological clinical education course. This will provide an opportunity for students to further their abilities, formulate decisions and implement diagnostic expertise in relation to gynecological clinical competencies. This provides an opportunity to implement and enhance knowledge with application to diagnosis. Under supervision, students assume responsibility and build their case load to approximately 70% of that of an entry-level diagnostic cytotechnologist.

PREREQUISITE: DCYT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3210 Diagnostic Gynecological Cytology Application II

CREDIT HOURS: 3

This third year course is a 3.0 credit hour gynecological clinical education course. This will provide an opportunity for students to further their abilities, formulate decisions and implement diagnostic expertise in relation to gynecological clinical competencies. This provides an opportunity to implement and build upon knowledge and experience with application to diagnosis gained in DCYT 3200.03. Under supervision, students assume responsibility and build their case load to approximately 80% of that of an entry-level diagnostic cytotechnologist.

PREREQUISITE: DCYT 3200.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3220 Diagnostic Gynecological Cytology Application III

CREDIT HOURS: 3

This third year course is a 3.0 credit hour gynecological clinical education course. This will provide an opportunity for students to further their abilities, formulate decisions and implement diagnostic expertise in relation to gynecological clinical competencies. This provides an opportunity to implement and further build upon knowledge and experience with application to diagnosis gained in DCYT 3210.03. Under supervision, students assume responsibility and build their case load to approximately 90% of that of an entry-level diagnostic cytotechnologist.

PREREQUISITE: DCYT 3200.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3230 Diagnostic Non-Gynecological Cytology Application I

CREDIT HOURS: 3

This third year course is a 3.0 credit hour non-gynecological clinical education course. This will provide an opportunity for students to further their abilities, formulate decisions and implement diagnostic expertise in relation to non-gynecological clinical competencies. This provides an opportunity to implement and further build upon knowledge and experience with application to diagnosis gained in DCYT 3000.03 and DCYT 3010.03. Under supervision, students assume responsibility and build their case load to approximately 80% of that of an entry-level diagnostic cytotechnologist.

PREREQUISITE: DCYT 3010.03 and DCYT 3200.03, DCYT 3000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3240 Diagnostic Non-Gynecological Cytology Application II

CREDIT HOURS: 3

This third year course is a 3.0 credit hour non-gynecological clinical education course. This will provide an opportunity for students to further their abilities, formulate decisions and implement diagnostic expertise in relation to non-gynecological clinical competencies. This provides an opportunity to implement and further build upon knowledge and experience with application to diagnosis gained in DCYT 3230.03. Under supervision, students assume responsibility and build their case load to approximately 90% of that of an entry-level diagnostic cytotechnologist.

PREREQUISITE: DCYT 3010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Cytology

DCYT 3500 Gynecological and Non-Gynecological Clinical Applications - Practicum III

CREDIT HOURS: 3

This clinical practicum provides the student with an opportunity to integrate the theoretical knowledge and the application of cytopathologic diagnoses to gynecologic and non-gynecologic sites. The purpose of this practicum is to further develop the diagnostic skills required to integrate, interpret and evaluate the cellular morphology of normal, benign and malignant gynecological and non-gynecological disease processes. Emphasis will be placed on the critical evaluation of pathologic and cytologic morphology while continuing to meet the objectives set by the School. The course will further allow the student to maintain their professional practice in the role of respect towards the patient.

PREREQUISITE: DCYT 3240.03, DCYT 3220.03, DCYT 3020.03

DCYT 4000X/Y Specialty Practice I/Specialty Practice II

CREDIT HOURS: 12

Specialty practice affords students the opportunity to attain additional competence and knowledge in a specialty practice area. There are three components to specialty practice: clinical, contextual and theoretical. This course can be six or twelve credit hours depending on the nature of the specialty practice. Specialty practice is arranged through consultation with the fourth year/post diploma advisor.

NOTE: Course Details listed here also apply to DCYT 4100.

PREREQUISITE: DCYT 3500.03 for entry level students; Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to Bachelor of Health Science students in DCYT. Enrolment may be limited due to clinical site availability.

DCYT 4100 Specialty Practice Diagnostic Cyto II

CREDIT HOURS: 6

See DCYT 4000.

DMUT Diagnostic Medical Ultrasound - Course Descriptions

DMUT 1000 Fundamentals of Sonography I

CREDIT HOURS: 3

This course provides a general overview of organs and structures within the abdominopelvic cavity which are fundamental to sonography. It includes concepts of relational sectional anatomy and basic ultrasound scanning principles. Also included is an historical perspective and discussions involving the national Code of Ethics for the profession of Diagnostic Medical Ultrasound.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 1010 Principles and Instrumentation of Diagnostic Medical Ultrasound I

CREDIT HOURS: 3

This course provides the student with the basic knowledge of the physical principles of ultrasound. It examines how diagnostic ultrasound works (how it is generated and how it interacts with tissues). Also covered in this course is the instrumentation used to transmit, receive and present echo information and the application of these to the practice of Diagnostic Medical Ultrasound.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: PHYC 1300X/Y.06

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 1020 Fundamentals of Sonography II

CREDIT HOURS: 3

This course provides a general overview of the normal sonographic appearance of organs and structures of the abdominopelvic cavity which are fundamental to sonography. Where applicable, the sonographic application and normal variants of specific organs and structures within the abdominopelvic cavity are also discussed. Included are reference charts highlighting other common diagnostic tests, normal measurements, and laboratory values associated with each organ and structure of interest.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: DMUT 1000.03
RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 1500 Clinical Practicum I in Diagnostic Medical Ultrasound

CREDIT HOURS: 3

This clinical practicum introduces students to Diagnostic Medical Ultrasound. Within the Diagnostic Imaging Department, students will develop a knowledge of departmental procedures, an ability to interpret and utilize requisitions and demonstrate proficiency in equipment selection and instrumentation. Students will develop clinical skills in performing abdominal and pelvic ultrasound examinations. Students will apply health professional practice skills when interacting with patients and healthcare professionals.

PREREQUISITE: DMUT 1010.03, 1020.03, HSCE 1010.03, PHYC 1300.06, HSCE 1020.03, HSCE 1030.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2000 Sonography of the Abdomen/Superficial Structures I

CREDIT HOURS: 3

This is the first of three courses related to abdomen and superficial structures. This course will focus on the pathology of the vascular system, liver, biliary system and the mammary glands. This course will provide further opportunity to develop skills and integrate knowledge from all discipline specific first year courses. The etiology, incidence, laboratory testing, sonographic presentation, differential diagnosis and treatment modalities will be examined. Documented ultrasound images with relevant pathology will be challenged, analyzed, and reviewed in a simulated clinical laboratory environment. This simulated environment will further provide an opportunity for students to integrate their knowledge of anatomy and pathology to formulate sonographic scanning strategies.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DMUT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2010 Sonography in Gynecology

CREDIT HOURS: 3

This course focuses on the normal structure, development, and pathologies of the female genitourinary system in the non-gravid state. Sonographic scanning techniques, presentation and documentation of normal and abnormal gynecological ultrasound examinations are covered. Critical evaluation of uterine and ovarian pathologies and sonographic characteristics associated with these pathologies will be fully explored.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: DMUT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2020 Principles and Instrumentation of Diagnostic Medical Ultrasound II

CREDIT HOURS: 3

This course builds on knowledge and experience gained in DMUT 1010. This course provides the student with principles and instrumentation of continuous-wave/pulsed-wave Doppler spectral analysis and color-flow imaging. Imaging artifacts, quality assurance, and bioeffects/safety are investigated thoroughly. Application of this knowledge and the development of skills and competence needed in the clinical practice of Diagnostic Medical Ultrasound will be included in this course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: DMUT 1500.03, HSCE 2010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2030 Sonography of the Abdomen/ Superficial Structures II

CREDIT HOURS: 3

This is the second of three courses related to Abdomen and Superficial Structures. The course will focus on the pathology of the: pancreas, adrenals, retroperitoneum, lymphatic system, urinary tract, thyroid and parathyroid glands. Etiology, incidence, laboratory testing, sonographic presentation, differential diagnosis and treatment modalities related to these body systems will be examined. Students will be challenged to analyze, formulate sonographic scanning strategies, and diagnose appropriately relevant pathology viewed in a hospital clinical environment. The course will provide students with the opportunity to integrate skills and concepts learned in previous courses and continue development of professional skills in Diagnostic Medical Ultrasound.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DMUT 2000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2040 Sonography in Obstetrics I

CREDIT HOURS: 3

This course provides the learner with a comprehensive study of normal and abnormal first trimester and normal second trimester obstetrical ultrasound examinations. Critical evaluation of first trimester pregnancy complications and the sonographic appearances in a second trimester obstetrical patient essential to continuing study in DMUT 3000. Multiple gestations, infertility and assisted reproductive technologies are also explored in detail. The study of embryology is an important focus of this course and the sonographic appearance associated with the growing fetus. Ethical issues related to obstetrical ultrasound will be examined and discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: DMUT 1500.03

RESTRICTIONS: HOLD Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 2500 Clinical Practicum II in Diagnostic Medical Ultrasound

CREDIT HOURS: 3

Practicum II provides students with the opportunity to continue skill development in abdominal and pelvic ultrasound examinations including the recognition, identification and documentation of pathologies. In addition, students will develop clinical skills in performing first and second trimester obstetrical ultrasound examinations. This clinical practicum requires the student to travel to clinical sites outside the Halifax Regional Municipality. Students will be responsible for travel and accommodation arrangements.

PREREQUISITE: DMUT 2010.03, 2020.03, 2030.03, HSCE 2040.03, DMUT 2040.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3000 Sonography in Obstetrics II

CREDIT HOURS: 3

This course provides a comprehensive study of the normal and abnormal second and third trimester ultrasound examinations. Critical evaluation of fetal pathologies and sonographic characteristics associated with these pathologies will be fully explored. Maternal complications associated with pregnancy and antenatal testing will also be covered.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: DMUT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3010 Sonography of Abdomen/ Superficial Structures III

CREDIT HOURS: 3

The third and final course DMUT 3010, Abdomen and Superficial Structures III, focuses on abdominal pathology of the gastrointestinal tract and organs of the male reproductive system, noncardiac chest, abdominal Doppler, musculoskeletal, extracranial cerebral vascular and lower extremity venous ultrasound. This course will prepare the student for a more advanced level of study and clinical practice in ultrasound interventional biopsy, aspiration techniques and procedures. An integration of previously acquired knowledge and clinical skills will be applied to a more advanced level of theoretical and clinical application using Doppler ultrasound technology.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: DMUT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3200 Abdominal Imaging

CREDIT HOURS: 3

This clinical education course allows the student to integrate and consolidate knowledge, concepts and skills developed and maintained from previous courses. The expectation is that the student will be able to recognize, identify and document normal and abnormal sonographic images of the abdomen under indirect supervision. This experience will enhance the student's ability to make independent decisions and to critically evaluate images of abdominal organs and related structures. Students are expected to assume responsibility for their actions and decisions. Students are expected to interact effectively with patients and all healthcare team professionals while maintaining accepted professional practice standards in an ultrasound environment.

PREREQUISITE: DMUT 3010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3210 Obstetrical Imaging

CREDIT HOURS: 3

Building on experience developed in Clinical Practicum II and knowledge and concepts learned in Sonography in Obstetrics and Gynecology I and II, this obstetrical ultrasound clinical education course enhances the student's ability to recognize, identify and document normal and abnormal obstetrical ultrasound examinations. This course provides the opportunity to reflect on their own clinical and professional skills in dealing with the obstetrical patient. Assuming responsibility for their actions and decisions in the clinical setting, the student becomes competent in performing obstetrical sonographic examinations.

PREREQUISITE: DMUT 3000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3220 Gynecological Imaging

CREDIT HOURS: 3

This clinical course allows the student to integrate knowledge, concepts and skills developed in previous courses and enhance their independent decision making skills. The expectation is for the student to achieve competency in recognizing, identifying, and documenting normal and abnormal sonographic images of the female pelvis under indirect supervision. The student will experientially reflect on their own skills and assume responsibility for their actions and decisions in the clinical setting.

PREREQUISITE: DMUT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3230 Superficial Structure Imaging

CREDIT HOURS: 3

This clinical education course allows the student to integrate and consolidate knowledge, concepts and skills developed and maintained from previous courses. The expectation is that the student will be able to recognize, identify and document normal and abnormal sonographic images of superficial structures under indirect supervision. This clinical experience will enhance the student's ability to make independent decisions and to critically evaluate images of superficial structures. Students are expected to assume responsibility for their actions and decisions. Students are expected to interact effectively with patients and all healthcare professionals while maintaining accepted professional practice standards in an ultrasound environment.

PREREQUISITE: DMUT 3010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3240 Application of Ultrasound Instrumentation

CREDIT HOURS: 3

This clinical education course further expands the student's ability to analyze and process data. Integrating knowledge, concepts and skills developed in previous courses, the student will enhance their independent decision making skills. The expectation is for the student to achieve competency in their utilization of ultrasound instrumentation in a variety of ultrasound examinations. The student will experientially reflect on their own skills in their application of theory to practice.

PREREQUISITE: DMUT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 3500 Clinical Practicum III in Diagnostic Medical Ultrasound

CREDIT HOURS: 3

Practicum III provides students with the clinical exposure to various specialties which include: related imaging modalities, vascular technology, echocardiography and fetal assessment (biophysicals, amniocentesis etc.). This clinical practicum will provide the student with the opportunity to correlate ultrasound imaging with other imaging specialties. This clinical practicum also allows the student to gain clinical exposure to specialty practice areas which they may choose to pursue in the fourth year.

PREREQUISITE: Successful completion of all other third year DMUT courses

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Diagnostic Medical Ultrasound

DMUT 4000X/Y Specialty Practice I/Specialty Practice II

CREDIT HOURS: 12

Specialty practice affords students the opportunity to attain additional competence and knowledge in a specialty practice area. There are three components to specialty practice: clinical, contextual and theoretical. This course can be six or twelve credit hours depending on the nature of the specialty practice. Specialty practice is arranged through consultation with the program advisor.

NOTE: Course Details listed here also apply to DMUT 4100.

PREREQUISITE: DMUT 3500.03 for entry level students; Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to Bachelor of Health Science students in DMUT. Enrolment may be limited due to clinical site availability.

DMUT 4010 Vascular Ultrasound

CREDIT HOURS: 3

This course builds on knowledge and experience gained in DMUT 2020 (Principles and Instrumentation of Diagnostic Medical Ultrasound II) and DMUT 3010 (Sonography of the Abdomen/Superficial Structures III). The student will review hemodynamics, physics and instrumentation, spectral analysis, colorflow imaging and the use of contrast agents in vascular sonography. Applications in vascular sonography and technology to include, examinations of the cerebral vessels, arteries and veins of the extremities and abdominal vessels will be covered.

FORMAT: Online Delivery

PREREQUISITE: DMUT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Sciences students in the professional stream of Diagnostic Medical Ultrasound. Post diploma students by permission of instructor

DMUT 4020 Cardiac Ultrasound

CREDIT HOURS: 3

This course builds on knowledge and experience gained in DMUT 2020 (Principles and Instrumentation of Diagnostic Medical Ultrasound II) and HSCE 2040 (Pathophysiology for Health Sciences). This course provides a comprehensive study of the normal and abnormal cardiac ultrasound examinations. The student will review anatomy and physiology and hemodynamics of the heart and relate theory to echocardiography. General principles of cardiac ultrasound, normal echo examination techniques and standard views will be covered including: two-dimensional, M-mode and Doppler. Clinical indications for echocardiography examinations will be covered as well as congenital and acquired cardiac disease processes evaluated with echocardiography.

FORMAT: Online Delivery

PREREQUISITE: DMUT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Sciences students in the professional stream of Diagnostic Medical Ultrasound. Post diploma students by permission of instructor

DMUT 4100 Specialty Practice Diag Med Ultras II

CREDIT HOURS: 6

See DMUT 4000.

HSCE Health Sciences Education - Course Descriptions

HSCE 1000 Foundations of Health Care Practice

CREDIT HOURS: 3

This course introduces students in the five BHSc professions to the Canadian Health Care System and the role of the health professional within that system. The course compares the Canadian system to systems from other countries and covers diverse healthcare models such as primary care, palliative care, long term care, etc. The role of the health professional is explored through the study of professionalism, scope of practice, and risk management in an interprofessional context. The course will allow students the opportunity to develop/improve essential skills to help them study and work in a multi-disciplinary system including critical thinking, writing skills, communication and teamwork.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Bachelor of Health Science students or by permission of instructor

HSCE 1010 Clinical Skills for Health Sciences

CREDIT HOURS: 3

This course will further the students' understanding of working within a healthcare environment as they learn the skills required to provide patient-centered care. The course provides academic knowledge and laboratory experiences for students to develop clinical skills essential in all five professional streams of the BHSc program.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: HSCE 1000.03 and one discipline specific course

RESTRICTIONS: Restricted to Bachelor of Health Science students

HSCE 1020 Human Anatomy and Physiology I

CREDIT HOURS: 3

This course, which is along with HSCE 1030 is designed to provide the student with an understanding of the cellular, organ, and system levels of organization of the human body. It includes a comprehensive study of facts pertaining to the covering, support and movement of the human body. Topics covered will include: organization of the body, the integumentary, skeletal and muscular systems.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: None, however priority is given to Health Sciences students.

HSCE 1030 Human Anatomy and Physiology II

CREDIT HOURS: 3

This course studies the systems that serve in maintaining the human body and ensuring its continuity. Topics covered will include: cardiovascular, immune, respiratory, digestive, urinary and reproductive systems. This course will provide students with an appreciation of the complexities of the human function and form, and set the stage for understanding the integration of organ system functions.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: HSCE 1020.03

RESTRICTIONS: None, however priority is given to Health Sciences students

HSCE 2000 Health Care Ethics

CREDIT HOURS: 3

This is an introductory course in healthcare ethics. Students will be provided with an overview of moral theory and principles; a chance to reflect upon and discuss contemporary ethical issues in healthcare; and an opportunity to acquire the conceptual and practical tools required to make competent ethical decisions in their own practice. Teaching methods will include lecture, group instruction and case analysis.

FORMAT: Online Delivery

RESTRICTIONS: None, however priority is given to Health Sciences students

HSCE 2010 Digital Imaging

CREDIT HOURS: 3

This course provides an overview of computer basics, digital file structure, digital imaging principles and their applications in radiological technology, magnetic resonance imaging, nuclear medicine technology, and diagnostic medical ultrasound. The principles of image distribution by Teleradiology and Picture Archiving Communication Systems are also provided. The course operates as a distance education course using BLS, with materials being distributed via the Internet. Tutorial sessions are scheduled throughout the term.

PREREQUISITE: RADT 1010.03 or NUMT 1020.03 or DMUT 1010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional streams of Diagnostic Medical Ultrasound, Nuclear Medicine Technology and Radiological Technology

HSCE 2020 Radiation Physics

CREDIT HOURS: 3

The purpose of this course is to build on the basic principles of the science of radiation physics with a focus on the concepts that directly apply to the medical radiation fields of nuclear medicine technology and radiological technology. Topics of study include atomic physics, radioactivity and electromagnetic radiation. The course will explain radiation interaction with matter in relation to attenuation, absorption and dosimetry. X-ray production, as well as fission and reactor production of radioactive materials used in nuclear medicine will be investigated. Students will be provided an opportunity to investigate the newest modalities connected with their fields.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: PHYC 1300.03 or Equivalent

RESTRICTIONS: Restricted to students enrolled in the Bachelor of Health Science; students in the professional streams of Nuclear Medicine Technology and Radiological Technology programs

HSCE 2030 Radiation Biology and Protection

CREDIT HOURS: 3

This course provides a theoretical overview of the bioeffects of radiation. This knowledge is linked to radiation physics principles as applied to the practice of medical radiation technology. Current regulations regarding radioactive substances and imaging and survey equipment will be presented. Emphasis will be placed on practical means of radiation protection for the technologist, the patient and the general public.

FORMAT: Lecture

PREREQUISITE: HSCE 2020.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional streams of Nuclear Medicine Technology and Radiological Technology

HSCE 2040 Pathophysiology for Health Sciences

CREDIT HOURS: 3

This course is intended to provide a concentrated study of the biological and behavioural interactions of the human body in disease. Emphasis will be placed on the examination of the Pathophysiology of diseases prevalent in Canada. This course will examine various therapeutic strategies used in treating these diseases and their implications for patient care.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: HSCE 1020.03, HSCE 1030.03

RESTRICTIONS: None, however priority is given to the Health Sciences students

HSCE 3000 Culture, Diversity and Health

CREDIT HOURS: 3

Community development, community advocacy, social justice and primary healthcare will be the theoretical frameworks for exploring the Health Science practitioner's role and practice in the context of working with populations in high risk environments. The emphasis is on understanding the issues, collaborating with those involved,

and building individual and group capacities to enhance and promote the health and well-being of specific populations.

FORMAT: Online Delivery

RESTRICTIONS: None, however priority is given to the Health Sciences students

HSCE 3010 Introduction to Health Research

CREDIT HOURS: 3

HSCE 3010 is designed to help students make sense of the research they can be expected to encounter in their professional practices. By focusing on the role of research in contemporary health professional practice this course will provide the student with a sound basis in the principles underlying research theory, measurement issues, experimental, exploratory and descriptive research designs, data analysis and communication skills.

FORMAT: Online Delivery

RESTRICTIONS: None, however priority is given to the Health Sciences students

EXCLUSIONS: HAHP 3100.03

HSCE 3600 Clinical Elective

CREDIT HOURS: 1

This clinical elective is available for visiting students only, in the health professions of diagnostic medical ultrasound, diagnostic cytology, nuclear medicine technology, radiological technology, or respiratory therapy. Contact department for details.

HSCE 4030 Leadership In Health Care

CREDIT HOURS: 3

This course will consider various elements of leadership in a complex, multi-professional and rapidly changing healthcare system, and will enable students to assess and strengthen their own leadership style. An understanding of current trends and issues in healthcare will provide a basis for the development of leadership skills. Critical thinking, decision-making processes and other leadership behaviours will be examined.

FORMAT: Online Delivery

RESTRICTIONS: None, however priority is given to the Health Sciences students

HSCE 4040 Independent Study

CREDIT HOURS: 3

The student will carry out an independent study or complete a project related to health sciences. Facilitation is provided by faculty or a course supervisor and is dependent upon the nature of the course of study. Students wishing to pursue HSCE 4040.03 must consult with the program/post diploma advisor for approval a minimum of three months prior to the beginning of the term in which they hope to enrol in the course. This course may not be offered every year and will be contingent upon the availability of faculty.

HSCE 4041 Independent Study

CREDIT HOURS: 3

The student will carry out an independent study or complete a project related to health sciences. Facilitation is provided by faculty or a course supervisor and is dependent upon the nature of the course of study. Students wishing to pursue HSCE 4041.03 must consult with the program/post diploma advisor for approval a minimum of three months prior to the beginning of the term in which they hope to enroll in the course. This course may not be offered every year and will be contingent upon the availability of faculty.

HSCE 4200 Foundations in Clinical & Professional Education

CREDIT HOURS: 3

Using an adult education theoretical perspective, this course introduces students to elements of program design, objective setting, selection of instructional methods and assessment strategies for application to their roles as preceptors, patient educators, and lifelong students. This course will discuss a variety of teaching, learning and delivery methods as well as their appropriateness to clinical and professional education.

FORMAT: Online Delivery

RESTRICTIONS: Restricted to students within the Faculty of Health Professions

HSCE 4220 Critical Research Appraisal and Practices

CREDIT HOURS: 3

This course is designed to give students and practicing professionals the opportunity to further develop and practice those skills essential to the competent translation of knowledge into clinical practice. Through evaluation and use of evidence-informed decision making and change management processes students will be prepared to assist their future workplaces in staying at the forefront of clinical practice.

PREREQUISITE: HAHP 3100 or HSCE 3010 or equivalent

RESTRICTIONS: Restricted to 4th Year Health Professions students.

MDLT Medical Lab Technology - Course Descriptions

MDLT 4000X/Y Specialty Practice I

CREDIT HOURS: 12

Specialty practice provides students with learning experiences at a level not previously available and affords the opportunity to attain additional competence and knowledge in a specialty practice area. This may include learning directed toward additional certification or clinical and theoretical opportunities that stretch the boundaries of a particular discipline. There are three components to specialty practice: clinical, contextual and theoretical. This course can be six or twelve credit hours depending on the nature of the specialty practice. Six-credit hour specialty practice required 220 clinical hours and twelve credit hours requires 440 clinical hours. Specialty Practice is arranged through consultation with the program/post diploma advisor.

NOTE: Course Details listed here also apply to MDLT 4100 .

PREREQUISITE: Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to BHSc students MDLS; Enrollment may be limited due to clinical site availability.

MDLT 4100 Specialty Practice II

CREDIT HOURS: 6

See MDLT 4000.

MRIT Magnetic Resonance Imaging Technology - Course Descriptions

MRIT 4100 MRI Physics

CREDIT HOURS: 3

The physical principles involved with Magnetic Resonance Imaging (MRI) are introduced. The course covers topics such as basic principles, image weighting and contrast, image acquisition and reconstruction, data collection and image formation, and a detailed study of MRI pulse sequences.

RESTRICTIONS: Restricted to 3rd and 4th year BHSC DMUT, NUMT or RADT students. Permission to register must be obtained by the School of Health Sciences.

MRIT 4110 Advanced MRI Physics

CREDIT HOURS: 3

Advanced MRI Physics builds on the foundations established in MRIT 4100. This course includes a comprehensive study of the artifacts encountered in magnetic resonance imaging as well as flow phenomena. The physics behind advanced imaging techniques are presented including: vascular, cardiac, functional, diffusion, perfusion, spectroscopy, interventional and breast MR. Image post processing techniques are also introduced.

PREREQUISITE: MRIT 4100.03

RESTRICTIONS: Restricted to 4th year BHSc DMUT, NUMT or RADT students.

MRIT 4120 MRI Instrumentation, Safety and Contrast Media

CREDIT HOURS: 3

MRI Instrumentation, Safety and Contrast Media presents instrumentation and equipment, RF coil technology, quality control methods, patient monitoring, site planning for new MRI sites and new advances in MRI technology. This course will focus on the study of MRI safety as well as composition, safety, and applications of MRI contrast media in current practice.

PREREQUISITE: MRIT 4110.03

RESTRICTIONS: Restricted to 3rd and 4th year BHSc DMUT, NUMT or RADT students.

MRIT 4130 MRI Techniques and Applications

CREDIT HOURS: 3

MRI Techniques and Applications expands on the physics and theory of MRI introduced in MRIT 4100.03 and introduces students to the practice of MRI scanning. Positioning techniques, coil selection, pulse sequences, protocol development, anatomy, pathology and artifacts imaged with MRI will be discussed to prepare students for clinical practice.

PREREQUISITE: MRIT 4110.03

RESTRICTIONS: Restricted to 3rd and 4th year BHSC DMUT, NUMT and RADT students

NUMT Nuclear Medicine Technology - Course Descriptions

NUMT 1000 Fundamentals of Nuclear Medicine

CREDIT HOURS: 3

This course is designed to provide the students with an introduction to nuclear medicine technology by exploring how radiation and detection equipment are used to perform clinical procedures. The course is divided into sections with each section containing content which builds on the previous concepts. Concepts covered include: detectors used in measuring radiation, semiconductors and scintillation detectors with a focus on the gamma camera - components, acquisition techniques, SPECT reconstruction and quality control.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 1010 Nuclear Medicine Instrumentation I

CREDIT HOURS: 3

This course is designed to expand on the learner's knowledge of gamma camera instrumentation acquired in NUMT 1000.03. Image acquisition, processing and quantitative image analysis will be explored in detail. Special emphasis will be placed on theory, practical applications, and quality control of Single Photon Emission Computed Tomography (SPECT) as it relates to current clinical practice. Opportunity to apply and expand on the theory will be provided through laboratory and self-directed learning sessions. In addition students will cover the concept of quality assurance and gain the ability to design and critique a Nuclear Medicine quality assurance program.

FORMAT: Lecture| Lab| Online Delivery

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: NUMT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 1020 Nuclear Medicine Clinical Procedures I

CREDIT HOURS: 3

In this course the student will learn the Nuclear Medicine procedures that involve the use of radiopharmaceuticals in the investigation in the function of organs in the skeletal, genitourinary and tumour/inflammatory systems.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NUMT 1000.03, HSCE 1000.03, HSCE 2020.03, HSCE 1020.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 1500 Nuclear Medicine Clinical Practicum I

CREDIT HOURS: 3

This clinical practicum introduces students to the Nuclear Medicine and Diagnostic Imaging Department. Students will develop knowledge of departmental procedures

and demonstrate health professional practice skills when interacting with patients and healthcare professionals. Emphasis will be placed on development of clinical skills in skeletal, genitourinary and tumor/inflammatory systems. Students will also have opportunities in; image acquisition and critique, patient management/care instrumentation skills and quality control.

PREREQUISITE: HSCE 1010.03, HSCE 2030.03, NUMT 1020.03, HSCE 1030.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 2000 Radiopharmacy

CREDIT HOURS: 3

This course encompasses all aspects of radiopharmaceutical preparation utilized in a nuclear medicine facility. Classification of radiopharmaceuticals, the production of nuclides, generator construction and elution, labeling methods and pharmaceutical standards are covered in detail. Emphasis is placed on preparing, assaying, dispensing, calculating, safe handling and storing of radiopharmaceuticals. A comprehensive quality assurance program is presented, as well as licensing and record keeping.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: NUMT 1010.03, NUMT 2010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 2010 Nuclear Medicine Clinical Procedures II

CREDIT HOURS: 3

This course provides students with the knowledge and skills to perform Nuclear Medicine procedures in the central nervous, respiratory and gastrointestinal systems. Image critique and interpretation, radiopharmaceutical distribution, computer analysis, related pathologies and procedural troubleshooting will be covered. Clinical lab sessions will enable students to observe and practice these skills.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NUMT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 2020 Nuclear Medicine Clinical Procedures III

CREDIT HOURS: 3

In this course the student will learn the Nuclear Medicine procedures that involve the use of radioactive pharmaceuticals in the investigation of the function of organs in the endocrine and cardiovascular systems. Image critique and interpretation, radiopharmaceutical distribution, computer analysis, related pathologies and procedural troubleshooting will be covered. Clinical lab sessions will enable students to observe and practice these skills.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NUMT 1010.03, NUMT 2010.03, and HSCE 2010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 2500 Nuclear Medicine Practicum II

CREDIT HOURS: 3

This clinical practicum is designed to enable the student to integrate primary nuclear medicine and patient care principles. The student will consolidate concepts, theories and skills in performing nuclear medicine procedures. The student will be exposed to image evaluation, patient management/care as well as radiopharmaceutical preparation and quality control.

PREREQUISITE: NUMT 2000.03, 2020.03

RESTRICTIONS: RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3020 Positron Emission Tomography

CREDIT HOURS: 3

The course provides students with advanced knowledge of Positron Emission Tomography (PET) scanner physics, instrumentation, and quality control. Students will also explore cyclotron physics and radiopharmaceutical synthesis in hot cells. A section of the course content involves the use of various PET radiopharmaceuticals in clinical imaging, presented in the larger context of current PET clinical procedures. Clinical application of fusion imaging with PET/CT will also be covered.

FORMAT: Tutorial

PREREQUISITE: NUMT 3100.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3100 CT for Hybrid Technologies

CREDIT HOURS: 3

This course provides students with knowledge of CT instrumentation, procedures and cross sectional anatomy. CT image acquisition, processing and quantitative analysis will be explored in detail. Processing and post-processing of CT will be contrasted to single photon computed tomography (SPECT) processing and post-processing. Special emphasis will be placed on the role of CT as it relates to current clinical practice in hybrid technologies. Opportunity to apply and expand upon the knowledge gained through lectures will be provided through clinical exposure and self-directed learning sessions.

PREREQUISITE: NUMT 2500.03

RESTRICTIONS: Restricted to students enrolled in the Bachelor of Health Science Program in the professional stream of Nuclear Medicine Technology.

NUMT 3200 Radiopharmacy

CREDIT HOURS: 3

Students will be exposed to the daily operation of a central radiopharmacy. Generator elution, product preparation and performance of quality control procedures will be practiced. Record keeping and documentation of daily operations will be stressed. Emphasis will be on efficiency and organization in order to respond to the demands of the nuclear medicine department. Students will also have exposure to non-routine radiopharmaceutical duties: dilutions, stock-solutions, and radiopharmacy research and development. Quality Control procedures, evaluation and trouble-shooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3210 Non-Imaging Procedures

CREDIT HOURS: 3

This clinical course will allow students to apply theory to clinical practice by performing a variety of non-imaging Nuclear Medicine procedures to include: white blood cell labelling; 14C urea breath tests, and radioiodine therapeutic procedures, including ablations. Proper lab technique will be emphasized. Students will be able to assess, modify and apply instrumentation applications for each procedure performed. Quality Control procedures, evaluation and trouble-shooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3220 General Imaging I

CREDIT HOURS: 3

Students will apply theory to clinical practice by performing a variety of procedures. Emphasis will be on the application and evaluation of nuclear medicine general imaging procedures as they relate to the diagnosis and management of patients. Students will be assessed and required to obtain a minimum number of general imaging clinical competencies. Students will be able to assess, modify and apply instrumentation applications for each procedure performed. Quality control procedures, evaluation and troubleshooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 2500

RESTRICTIONS: Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3222 General Imaging II

CREDIT HOURS: 3

Students will apply theory to clinical practice by performing a variety of procedures. Emphasis will be on the application and evaluation of nuclear medicine general imaging procedures as they relate to the diagnosis and management of patients. Students will be assessed and required to obtain a minimum number of general imaging clinical competencies beyond those obtained in General Imaging I. Students will be able to assess, modify and apply instrumentation applications for each procedure performed. Quality control procedures, evaluation and troubleshooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 3220.03, NUMT 3100.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology.

NUMT 3230 Cardiac Imaging

CREDIT HOURS: 3

Students will apply theory to clinical practice by performing procedures involving the cardiovascular system. Application and evaluation of acquisition and processing of nuclear cardiology procedures with a focus on stress imaging (treadmill and medication induced) and wall motion imaging will be emphasized. Students will be able to assess, modify and apply instrumentation applications for each procedure performed. Quality Control procedures, evaluation and trouble-shooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3240 Pediatric Imaging

CREDIT HOURS: 3

Students will focus on nuclear medicine practice in the care of children and their families. Application and evaluation of nuclear medicine procedures relevant to the diagnosis and management of children will be emphasized. Students will be able to assess, modify and apply instrumentation applications for each procedure performed. Quality Control procedures, evaluation and trouble-shooting techniques will be utilized to optimize efficiency and validate results.

PREREQUISITE: NUMT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 3500 Clinical Practicum In Nuclear Medicine Technology III

CREDIT HOURS: 3

Clinical Practicum III is intended to consolidate nuclear medicine theory and practice covered by the end of year three. The students will be provided the opportunity to demonstrate competency in nuclear medicine practice, integrating aspects of all discipline and health science related course theory. This course allows students to expand their knowledge of the healthcare team by providing an opportunity for them to observe and experience healthcare services provided by other professionals.

PREREQUISITE: NUMT 3200.03, 3222.03 3230.03, 3020.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 4100 Specialty Practice I/Specialty Practice II

CREDIT HOURS: 6

Specialty practice affords students the opportunity to attain additional competence and knowledge in a specialty practice area. There are three components to specialty practice: clinical, contextual and theoretical. Specialty Practice is arranged through consultation with the program advisor.

PREREQUISITE: NUMT 3500.03 for entry level students; Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology. Enrolment may be limited due to clinical site availability.

NUMT 4210 Professional Practice in Nuclear Medicine Technology I

CREDIT HOURS: 3

This clinical education course provides the student with the opportunity to assume clinical responsibility and develop leadership skills through two processes. Students will apply professional skills acquired through previous courses to function as a member of the diagnostic team and perform duties associated with a team leader role.

Also, through a mentorship program, students will act as role models and support first year nuclear medicine students in an effort to further develop leadership skills.

NOTES: Students cannot be registered in NUMT 4210.03 and NUMT 4220.02 concurrently.

PREREQUISITE: NUMT 4220.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

NUMT 4220 Professional Practice in Nuclear Medicine Technology II

CREDIT HOURS: 3

This clinical education course provides the student with the opportunity to assume clinical responsibility and to continue development of professional skills in nuclear

medicine technology. Students will be scheduled to a variety of imaging areas where they will be responsible, with remote supervision, for functioning as an integral member of the nuclear medicine team. This course also provides the opportunity for students to become actively involved in the education of patients, as well as the continuing education of both practicing nuclear medicine technologists and affiliate healthcare groups.

NOTES: Students cannot be registered in NUMT 4210.03 and 4220.03 concurrently.

PREREQUISITE: NUMT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Nuclear Medicine Technology

RADT Radiological Technology - Course Descriptions

RADT 1000 Skeletal Radiography

CREDIT HOURS: 3

This course provides the student with the knowledge required to perform basic skeletal radiography examinations. Aspects studied include: patient positioning, alignment of the radiation field, and radiation exposure factors. Radiographic images are analyzed with a focus on structures demonstrated, evaluation criteria, and modifications required to improve sub-optimal images. Students have the ability to develop radiographic skills for positioning and image analysis in lab/tutorial sessions.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

COREQUISITE: RADT 1010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 1010 Imaging Fundamentals

CREDIT HOURS: 3

This course offers an introduction to the processes involved in the production of x-radiation and use of radiation for diagnostic imaging. The basic principles and equipment involved in radiography and fluoroscopy are studied as well as an introduction to the controlling parameters for image production. A major emphasis of the course is an analysis of the radiographic image and the factors that influence its quality. Students have the opportunity to use imaging equipment during lab sessions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

COREQUISITE: RADT 1000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 1020 Skeletal and Systems Radiography

CREDIT HOURS: 3

Skeletal and Systems Radiography provides the student with the knowledge required to perform radiological imaging procedures of the vertebral column, craniofacial structures, body organs and systems. Elements of the course include patient positioning, alignment of the radiation field, patient management, use of contrast media, and image analysis. Images are assessed with a focus on structures demonstrated, evaluation criteria, and modifications required to improve image quality. Students have the opportunity to practice and demonstrate the radiographic positions in a tutorial/simulation setting. Clinical lab sessions are included in this course to link theory to practice and to provide the student with an orientation to the Diagnostic Imaging Department as well as the operating room environment.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: RADT 1000.03, 1010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 1500 Clinical Practicum I in Radiological Technology

CREDIT HOURS: 3

This clinical practicum introduces students to radiological technology and a Diagnostic Imaging department. Students will have the opportunity to experience a wide variety of procedures and interact with healthcare professionals and patients. Students will develop skills in skeletal/systems radiography, image evaluation, and patient management/care.

PREREQUISITE: RADT 1020.03, HSCE 1010.03, HSCE 1030.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 2000 Advanced Skeletal & Systems Radiography

CREDIT HOURS: 3

This course provides the students with the knowledge of advanced skeletal examinations, and imaging examinations of the gastrointestinal, genitourinary, biliary, reproductive, endocrine, cardiovascular, and central nervous systems. Learning labs in which the students reinforce their knowledge of anatomy, physiology, image quality, and radiographic criteria support this course. Clinical labs and tutorial sessions prepare the students to challenge advanced patient examinations.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: RADT 1500

RESTRICTIONS: Restricted to the Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 2010 Imaging Equipment

CREDIT HOURS: 3

This course covers the structure, operating principles, and quality control of the equipment involved in radiological technology. It includes a comprehensive study of x-ray generators, tubes, fluoroscopic, and processing equipment with a focus on technical parameters and clinical applications. This course also covers quality control concepts, equipment used for quality control testing and testing procedures for the imaging equipment in radiological technology.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

COREQUISITE: RADT 2020.03

PREREQUISITE: RADT 1500.03, HSCE 2020.03, HSCE 2010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 2020 Adaption Radiography

CREDIT HOURS: 3

The Adaption Radiography course provides the student with the knowledge required to adapt imaging procedures for unique clinical situations including trauma, mobile, and operating room examinations, and for patients with special needs (pediatric, geriatric, and disabled). Selected radiographic projections and procedures related to the topics are also studied and pertinent radiographic images are analyzed. Students will have the opportunity to develop radiographic adaption skills in clinical/learning lab sessions and clinical simulation sessions.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

COREQUISITE: RADT 2010.03

PREREQUISITE: RADT 2000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 2500 Clinical Practicum II in Radiological Technology

CREDIT HOURS: 3

This practicum provides students with the opportunity to continue skill development in the clinical examinations/procedures introduced in RADT 1500. In addition, an introduction to specialized clinical procedures is provided, including operating room imaging, computed tomography, and pediatric radiography.

PREREQUISITE: RADT 2010.03, 2020.03, HSCE 2030.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 3000 Applied Pathology in Radiological Technology

CREDIT HOURS: 3

This course provides the student with the fundamental knowledge to recognize the radiographic appearances of specific pathologies. This knowledge is directly applicable to the clinical component of the program. The course is presented by lecture and through clinical lab sessions and learning labs where the student studies a variety of images related to pathologic processes. Studies from related diagnostic modalities are reviewed when appropriate.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: RADT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology.

RADT 3010 Specialty Practice Concepts

CREDIT HOURS: 3

This course provides the foundation for RADT 3210 and RADT 4000 as it focuses on concepts for specialty practice in computed tomography (CT), vascular/interventional imaging, mammography, bone densitometry and magnetic resonance imaging (MRI). Specific topics include: clinical application/procedures, sectional anatomy, radiological image review, patient management, and specialized imaging apparatus. Knowledge obtained in previous courses and clinical practica is also related as applicable. Students will have the opportunity to relate theory to practice during scheduled clinical lab sessions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: RADT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 3210 CT and Interventional Imaging

CREDIT HOURS: 3

This course provides the students with the opportunity to experience the clinical practice of computed tomography and angiography/interventional imaging. Under the direction of a preceptor, students will meet the competencies required in these imaging areas. This class allows students to apply the theory from the Specialty Practice Concepts course (RADT 3010.03) and promotes further development of professional skills and behaviors.

PREREQUISITE: RADT 3010.03, RADT 3000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 3220 Fluoroscopic Imaging and Special Procedures

CREDIT HOURS: 3

This clinical education course will prepare students for the clinical practice of radiological technology that involve fluoroscopic imaging and other special procedures. These include gastrointestinal, genitourinary and operating room imaging as well as mammography. Under the direction of a preceptor, students will apply acquired knowledge and skills to radiological procedures. The students will develop their skills in providing a high standard of patient care, producing and evaluating images, problem solving and collaboration. FORMAT: Clinical Education Course

PREREQUISITE: RADT 2500.03, RADT 3000.03, RADT 3010.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 3240 General/Adaption Radiography

CREDIT HOURS: 6

This course provides the student with the opportunity to further develop general radiography skills. Under appropriate direction from a preceptor, students will apply the knowledge and skills acquired in previous courses/practica and adapt routine imaging procedures for challenging clinical situations and patients with special needs. Students will be scheduled to a variety of imaging areas where radiographic adaption is typically required: emergency, and in-patient/mobile procedures. Clinical experience on evening, night, and weekend shifts is provided in this course.

PREREQUISITE: RADT 2500.03, RADT 3000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 3500 Clinical Practicum III

CREDIT HOURS: 3

Clinical Practicum III provides students with an opportunity to integrate skills and concepts from previous courses, clinical practica and the clinical education courses. Under appropriate levels of supervision, the student will assume the responsibilities of a radiological technologist and demonstrate competency in radiography and computed tomography. This practicum takes place in a Diagnostic Imaging Department outside the QEII Health Sciences Centre.

PREREQUISITE: RADT 3210.03, 3220.03, 3240.06

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 4000X/Y Specialty Practice I

CREDIT HOURS: 12

Specialty practice affords students the opportunity to attain additional competence and knowledge in a specialty practice area. There are three components to specialty practice: clinical, contextual and theoretical. This course can be six or twelve credit hours depending on the nature of the specialty practice. Specialty practice is arranged through consultation with the program advisor.

NOTE: Course Details listed here also apply to RADT 4100.

PREREQUISITE: RADT 3500.03 for entry level students; Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology. Enrolment may be limited due to clinical site availability.

RADT 4100 Specialty Practice II

CREDIT HOURS: 6

See RADT 4000.

RADT 4200 Pediatric Radiography

CREDIT HOURS: 3

This course provides students with the opportunity to meet the competencies required in pediatric radiography. A wide variety of clinical experiences are scheduled at the IWK Health Centre, including mobile and operating room imaging, gastrointestinal and urinary system examinations, and general imaging. Under the direction of preceptors, students will apply theoretical principles and further develop professional skills and behaviours. Students will also have the opportunity to attend pediatric radiology rounds and observe related imaging procedures.

PREREQUISITE: RADT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 4210 Professional Skill Development in Radiological Technology

CREDIT HOURS: 3

This clinical education course provides students with an opportunity to integrate skills/concepts from previous courses, clinical practica, and clinical education courses and continue development of professional skills in radiological technology. Through reflection and self-evaluation, students will develop learning contracts, and under appropriate levels of supervision will perform general radiologic imaging procedures. Various themes of professionalism will also be explored.

PREREQUISITE: RADT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RADT 4220 Professional Practice in Radiological Technology

CREDIT HOURS: 3

This clinical education course provides the student with the opportunity to strengthen radiological technology skills while increasing confidence and independence in clinical practice. Under appropriate direction from a preceptor, students will apply the knowledge and skills acquired in previous courses/practica to further develop clinical judgement and self-confidence. To demonstrate competence, students must successfully complete a summative clinical assessment and comprehensive competency based written examinations. Students will also plan, design, and deliver a professional development session/activity for students and/or radiological technologists.

PREREQUISITE: RADT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Radiological Technology

RSPT Respiratory Therapy - Course Descriptions

RSPT 1000 Respiratory Therapy Instrumentation and Techniques

CREDIT HOURS: 3

This course provides the student with the fundamental knowledge required to understand the physical principles and concepts necessary for the safe and efficient delivery of physician prescribed therapy. Clinical skills competency through lab simulation is required.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 1020 Respiratory Therapy Clinical Assessment and Techniques

CREDIT HOURS: 3

RSPT 1020.03 is designed as a continuation of the knowledge and concepts acquired in Term 1 and the skills competencies completed in RSPT 1000.03. Students will focus on the basic background information and psychomotor skills necessary for understanding the physical principles and concepts associated with the safe handling and efficient operation of respiratory therapy equipment. Limited clinical opportunities may be provided. Clinical skills competency testing through lab simulation is required.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: RSPT 1000.03, HSCE 1000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 1030 Cardiopulmonary Physiology I

CREDIT HOURS: 3

The course presents a modular approach to developing a thorough understanding of normal and abnormal cardiopulmonary function in the human body and is considered a foundation course for all RSPT specific courses in the program.

FORMAT: Lecture

COREQUISITE: BIOC 1420.03

PREREQUISITE: RSPT 1000.03, HSCE 1020.03

RSPT 1500 Clinical Practicum I

CREDIT HOURS: 3

Clinical Practicum I introduces students to clinical practice in the patient care (hospital) environment. Students will have the opportunity to apply theory to skills practice at the defined competency level.

NOTES: Full-time rotations in clinical settings with assigned preceptors. Shift work and weekends may be required. Students will be required to travel to clinical sites outside the Halifax Regional Municipality. Students will be responsible for travel and accommodations.

PREREQUISITE: RSPT 1020.03, RSPT 1030.03, HSCE 1010.03, HSCE 1030.03, BIOC 1420.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 2000 Principles of Mechanical Ventilation

CREDIT HOURS: 3

This course will introduce the students to the delivery of mechanical ventilation by learning the terminology, physical principles and physiologic concepts associated with the application of mechanical ventilation. Equipment operation, function and troubleshooting will be investigated in the lab and clinical setting.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

COREQUISITE: RSPT 2070.03

PREREQUISITE: RSPT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 2020 Application of Mechanical Ventilation

CREDIT HOURS: 3

Students will be introduced to the background knowledge necessary for understanding the physical principles and concepts governing the operation of mechanical ventilators and adjunct respiratory therapy equipment to ensure the safe and effective delivery of therapy. Clinical skills testing is required.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: RSPT 2000.03, 2030.03, 2063.03, 2070.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 2030 Cardiopulmonary Physiology II

CREDIT HOURS: 3

This course is a continuation of the physiological concepts introduced in RSPT 1030 and will examine the intricate chemical and physiological processes of fluid and electrolyte balance, pulmonary function testing, hemodynamics and the cardiopulmonary response to unusual and changing environments. Case study presentations and patient scenarios will complement the learning environment and assist the student in integrating previous knowledge.

FORMAT: Lecture

PREREQUISITE: RSPT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 2050 Health Practice for Respiratory Therapy

CREDIT HOURS: 3

This course consists of classroom work, clinical skills testing, guest presentations, community project and an advanced cardiac life support course (ACLS). The learning environment will enhance the understanding of the role of the respiratory therapist in hospitals, healthcare facilities and the community. Basic competency level in the skills required for RSPT 2500 will be achieved through practicing the clinical skills in the lab. Students will be challenged to evaluate and integrate knowledge and skills.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: RSPT 2000.03, 2030.03, 2070.03, 2063.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 2063 Respiratory Disease & Therapeutics I

CREDIT HOURS: 3

The proper assessment, evaluation and treatment of clients with conditions and diseases affecting the cardio-respiratory system are vital to the role of a respiratory therapist. The purpose of this course is for students to gain knowledge and understanding of the incidence, etiology, clinical manifestations, pathophysiology, and differential diagnosis of pathologies treated by respiratory therapists in the acute, chronic and home care environments. While studying each individual disease, the evidence-based treatment and prevention strategies, including pharmacology, will be examined.

FORMAT: Lecture

PREREQUISITE: RSPT 1500.03

RSPT 2065 Respiratory Disease & Therapeutics II

CREDIT HOURS: 3

The proper assessment, evaluation and treatment of clients with conditions and diseases affecting the cardio-respiratory system are vital to the role of a respiratory therapist. The purpose of this course is for students to gain knowledge and understanding of the incidence, etiology, clinical manifestations, pathophysiology, and differential diagnosis of pathologies treated by respiratory therapists in the acute, chronic and home care environments. While studying each individual disease, the evidence-based treatment and prevention strategies, including pharmacology, will be examined.

FORMAT: Lecture

PREREQUISITE: RSPT 2063.03

RSPT 2070 Human Pregnancy and Fetal/Newborn Development

CREDIT HOURS: 3

This course contains background information and assessment skills necessary for the progression to more advanced assessment, skills and competency levels in respiratory care of the neonate and child. The integration of this and additional required courses will allow the student to learn and to challenge the competency component of the program as it relates to neonatal/pediatric therapeutics and instrumentation, pathophysiology, applications of mechanical ventilation, pharmacology, and Neonatal Resuscitation Program (NRP).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: RSPT 1500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream of Respiratory Therapy

RSPT 2500 Clinical Practicum II

CREDIT HOURS: 3

This clinical practicum provides students with the opportunity to continue clinical skill competency development and achieve defined skills by performing in a clinical patient environment. Students will have the opportunity to rotate through assigned clinical placements through 8 and 12 hour day and night shifts including weekends, depending upon the placement requirements.

PREREQUISITE: RSPT 2020.03, 2050.03, 2065.03, 2070.03, HSCE 2000.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in the professional stream of Respiratory Therapy

RSPT 3000X/Y Anesthesia Instrumentation and Clinical Techniques

CREDIT HOURS: 6

This course will consist of two modules; the first being a seminar/lecture series during the first few weeks of the Fall semester and the second being two weeks of full-time clinical application program in the operating room. Students will be precepted by an anesthetist with focus on airway management skills and patient monitoring. Students will also attend an intensive 2-day workshop in management of the difficult airway. Depending on availability of clinical sites, students may be expected to travel outside the metro area at their own expense.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

PREREQUISITE: RSPT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream Respiratory Therapy

RSPT 3010X/Y Neonatal and Pediatric Therapeutics

CREDIT HOURS: 6

This course will consist of two modules; the first being a seminar/lecture series during the first few weeks of the Fall semester and the second being a five week full-time clinical application program. Students will integrate and apply theories and skills in the neonatal and pediatric environment under the guidance of skilled preceptors. Students will be assigned to diverse clinical areas including Neonatal Intensive Care I and II, Pediatric Intensive Care, Birth Unit, and General Wards. Students may be assigned to clinical experiences during twelve hour day or night shifts. Students may be required to travel outside the metro area at their own expense.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

PREREQUISITE: RSPT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream Respiratory Therapy

RSPT 3020X/Y Cardiac and Pulmonary Diagnostics

CREDIT HOURS: 6

This course will consist of two modules; the first being a seminar/lab series during the first few weeks of the Fall semester and the second being a three week full-time clinical application program in the adult and pediatric pulmonary function, arterial blood gas analysis, electrocardiography and sleep laboratories. Students will integrate and apply theories and skills in specialized diagnostic environments. Students will be precepted and evaluated by certified technologists. This course will enable students to become proficient in performing cardio-pulmonary diagnostic testing including spirometry. Students will have exposure to bronchoprovocation testing and exercise stress testing. Students may be required to travel outside the metro area at their own expense.

NOTES: Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively.

PREREQUISITE: RSPT 2500.03, STAT 1060.03

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream Respiratory Therapy

RSPT 3230X/Y Critical Care Instrumentation and Clinical Techniques

CREDIT HOURS: 6

This class will consist of two modules; the first being a seminar/lecture series during the first few weeks of the fall semester and the second being a five week full-time clinical application program in diverse critical care areas. Students will be presented with the concepts and theories relevant to the respiratory care of the critical patient. Students will recall and apply theories and concepts learned in previous courses in order to integrate this knowledge with new information presented. The clinical application program will provide the students with the opportunity to integrate theories and procedures learned in the seminar/lecture series. Students may be assigned to any of the following critical care areas: medical, surgical, neurosurgical, cardiovascular and coronary care. Depending on availability of clinical sites, students may be expected to travel outside the Metro area at their own expense.

NOTES: Students taking this course must register in both X and Y terms; Credit will be given only if both are completed consecutively

COREQUISITE: RSPT 3000X/Y.06

PREREQUISITE: RSPT 2500.03

RSPT 3250X/Y Health Practice

CREDIT HOURS: 6

This course enables students to apply theories, practice clinical skills and integrate previous learning experiences acquired throughout the three years of the BHSc program. Students will be assigned to a rotating clinical schedule at various clinical sites. Clinical experiences in this course may occur on weekends or night shifts. Students will be evaluated by preceptors at the assigned clinical sites in consultation with faculty. Students may be required to travel outside the metro area at their own expense.

NOTES: Students taking this course must register in both X and Y terms; credit will be given only if both are completed consecutively.

PREREQUISITE: RSPT 2500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream Respiratory Therapy

RSPT 3500 Clinical Practicum III

CREDIT HOURS: 3

This course enables students to integrate theories and skills acquired throughout the previous three years of the program; including theory, clinical practicum and clinical education courses. Students will be evaluated on skills proficiency, time management, organizational skills, and decision-making at a high level of independence. Students will be assigned to diverse clinical areas and patient populations. Clinical experiences in this course will occur during twelve hour day and night shifts, including weekends.

PREREQUISITE: RSPT 3000.06, 3010.06, 3020.06, 3230.06, 3250.06

RESTRICTIONS: Restricted to Bachelor of Health Science students enrolled in the professional stream Respiratory Therapy

RSPT 4000X/Y Specialty Practice I

CREDIT HOURS: 12

Specialty practice affords students the opportunity to attain additional competence and knowledge in a specialty practice area. There are three components to specialty practice: clinical, contextual and theoretical. This course can be six or twelve credit hours depending on the nature of the specialty practice. Specialty practice is arranged through consultation with the program advisor.

NOTE: Course Details listed here also apply to RSPT 4100.

PREREQUISITE: RSPT 3500.03 for entry level students; Post diploma students must consult with the post diploma advisor to ensure the necessary prerequisites have been met.

RESTRICTIONS: Restricted to Bachelor of Health Science students in Respiratory Therapy. Enrolment may be limited due to clinical site availability

RSPT 4010 Anaesthesia Technology and Related

CREDIT HOURS: 3

The course will provide advanced knowledge of the function, operation, set-up and quality assurance issues regarding anaesthesia and related equipment. The student will be provided with the knowledge necessary to work with anaesthesia equipment in operating room and related settings.

FORMAT: Online Delivery

PREREQUISITE: RSPT 3500.03

RESTRICTIONS: Restricted to Bachelor of Health Science students in Respiratory Therapy or by permission of instructor

RSPT 4020 Anaesthesia Medication Delivery

CREDIT HOURS: 3

This course will provide in depth knowledge of the modes of delivery and action and interaction of anesthesia pharmacology. The student will be provided with knowledge regarding common medications related to the delivery of anaesthesia and monitoring their effect in the operating room and related settings.

FORMAT: Online Delivery

PREREQUISITE: RSPT 3500.03 or equivalent

RESTRICTIONS: Restricted to Bachelor of Health Science students in Respiratory Therapy or by permission of instructor

RSPT 4030 Clinical Anaesthesia

CREDIT HOURS: 3

This course will provide in-depth knowledge of evaluation, monitoring and interventions for patients receiving anaesthesia under varying conditions. The student will be provided with the knowledge necessary to anticipate the needs of the patient and the assistance required by the anaesthetist during different aspects of the anaesthetic process.

FORMAT: Online Delivery

PREREQUISITE: RSPT 3500.03 or equivalent

RESTRICTIONS: Restricted to Bachelor of Health Science students in Respiratory Therapy or by permission of instructor

RSPT 4100 Specialty Practice II

CREDIT HOURS: 6

See RSPT 4000.

Interprofessional Health Education

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

IPHE 2201 Introduction to Aboriginal Peoples' Health and Healing

CREDIT HOURS: 3

This course provides students the opportunity to learn about Aboriginal perspectives regarding health, as well as the multiple and complex challenges facing Aboriginal peoples with respect to key health issues, such as health and social inequities, the epidemiology of disease and culturally appropriate service provision.

IPHE 4900 Interprofessional Health Education Portfolio

CREDIT HOURS: 0

This course is intended to prepare students to work in a collaborative and patient/client/community/family-centered work environments. Students in Health Professions undergraduate programs are required to maintain registration in this course for the duration of their studies. The student will be required to have completed, by the end of their program of study, a total number of different, meaningful and relevant interprofessional collaborative learning experiences (as determined and approved by the School/College) equal to two times the number of years or part of years of study in the program. At least one of these experiences will be in a practice setting (in the event there are no students from other professions in any of the student's practice settings, credit may be granted for interactions with non-student professionals which follow an approved structured format). The experiences will include interactions with undergraduate and/or graduate students from a total of at least 4 different related professions with which there are natural affinities or linkages in the professional environment, some professions of which are outside the student's home School/College. In accordance with the guidelines/requirements of the home School/College, students will prepare a portfolio (or comparable document/process) which maps their interprofessional collaborative learning experiences on to the specific requirements of the School/College. The portfolio will be graded by the School/College on a Pass/Fail basis. Successful completion of this course is a requirement for graduation in all programs, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions.

NOTES: Students must ensure they are registered for the correct section that corresponds with their school/college and should check the timetable for the appropriate section for their discipline. Health and Human Performance: section 02 Health Sciences: section 03

RESTRICTIONS: Health Professions students only

Nursing

Location:

Building/Room: Forrest Building

Street Address 1: 5869 University Avenue

Street Address 2: Room 109

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2535

Fax: (902) 494-3487

Website: www.nursing.dal.ca

Email Address: son@dal.ca

Introduction

The School of Nursing opened in 1949 and became a constituent part of the Faculty of Health Professions in 1961. Currently the School offers an undergraduate program, a Bachelor of Science (Arctic Nursing), a Master of Nursing Program and a PhD (Nursing) Program.

Staff

Dean

Webster, W. G., PhD

Director

MacMillan, K., Diploma Nursing, BSc, MA, MSc, PhD (Toronto), RN

Associate Director, Graduate Studies

MacDonald, M., BN (UNB), MSN (S. Maine), PhD (San Diego), RN

Associate Director, Undergraduate Studies

van Soeren, M., Diploma N (Oster), BSc, PhD (Guelph) RN

Associate Director, Research and International Affairs

Tomblin Murphy, G., BN, MN (Dalhousie), PhD (Toronto), RN

Assistant Director, Graduate Studies

Steenbeck, A., BScN, MScN, PhD (UBC), RN

Assistant Director, Undergraduate Studies

Houk, S., Diploma N (Kelsey), BScN (Sask), MN (Dalhousie), RN

Senior Clinical Coordinator

Bleasdale, B., BN (Dalhousie), RN

Clinical Coordinator, CLSC, NP Program

Herbert, K., BN (MUN), MN (Athabasca), NP

Professor Emeritus

Keddy, B., BScN (MSVU), MA, PhD

Coordinator, BScN (Arctic Nursing)

Edgecombe, N., BN (Lethbridge), MN, PhD (Alberta), NP

Professors

Hughes, J. M., BN (Dalhousie), MS (Boston), PhD (McGill), RN
Sullivan, P. L., BScN (MSVU), MSc (Boston), PhD (Alberta), RN
Tomblin Murphy, G., BN, MN (Dalhousie), PhD (U of T), RN

Associate Professors

Aston, M., BNSc, MEd (Queen's), PhD (U of T), RN
Goldberg, L., BA (UCCB), MA (Dalhousie), PhD (Alberta), RN
Latimer, M., BA (MAU), BScN, MN (Dalhousie), PhD (McGill), RN
Martin-Misener, R., DOCHN, BScN, MN (Dalhousie), PhD (Calgary), NP
Macdonald, M., BN (UNB), MSN (S. Maine), PhD (San Diego), RN
Sabo, B., BA (Manitoba), MA, PhD (Dalhousie), RN
Steenbeck, A., BScN (McMaster), MSN, PhD (UBC), RN
Tamlyn, D., BN (McGill), MEd (Ottawa), PhD (Dalhousie), RN
van Soeren, M., Diploma N (Oster), BSc, PhD (Guelph), RN

Assistant Professors

Bombay, A., BSc (Ottawa), MSc, PhD (Carleton)
Campbell-Yeo, M., BScN, MN (Dalhousie), PhD (McGill), NP
Chircop, A., BScN, MN, PhD (Dalhousie), RN
Curran, J., BScN, MEd (MUN), PhD (Dalhousie), RN
Edgecombe, N., BN (Lethbridge), MN, PhD (Alberta), NP
Halpern, B., BScN (Queen's), MN (Dalhousie), RN
Hayward, K., BScN, MN (Dalhousie), RN
Helpard, H., BN (UNB), MN, PhD (Dalhousie), RN
Houk, S., BScN (Sask), MN (Dalhousie), RN
McLeod, D., BN, MN (Dalhousie), PhD (Calgary), RN
Murphy, N. J., BN (Dalhousie), MScN (UBC), RN
Price, S., RN Diploma (VGH), BScN (Post-RN), MN (Dalhousie), PhD (Toronto), RN
Richardson, H., BScN, MA (Dalhousie), PhD (Dalhousie) RN
Snelgrove-Clarke, E., BN (MUN), MN (Dalhousie), PhD (McGill), RN
Vukic, A. R., BN, MN, PhD (Dalhousie), RN
Waldron, I., BA (McGill), MA (London), PhD (Toronto)
White, M., BN (UNB), MN (Dalhousie), RN
Wight Moffatt, C. F., BN (MUN), MS (Boston), PhD (Toronto), RN

Lecturers

Hebert, K., BN (MUN), MN, (Athabasca), NP
MacIsaac, B., BScN (Alberta), MN (Dalhousie), RN
Sheffer, C., BN, MN (Dalhousie), RN

Instructor - Skills Laboratory

Ritchie, C., BScN, RN

Adjunct Appointments

Banfield, V., BScN (St. FX), MN (Dalhousie), RN
Byrne-Surette, D., BScN (Dalhousie), MN (Athabasca), RN
Campbell, T., BScN (UPEI), MN (Dalhousie), RN
Carson, G., BN, MN (Dalhousie), RN
Cicchelli, L., BScN (Ottawa), MN (Dalhousie)
Cobbett, S., BN, MN (Dalhousie), EdD (Australia), RN
Coulter, L., BN, MN (Dalhousie), RN
Cruickshank, C., BN, MN (Dalhousie)
DeSantis, M., BScN (Western), MPH (Lakehead)
Deveau, M., BScN (Dalhousie), MN-ANP (Athabasca), NP
D'Eon, P., BScN (Dalhousie)
Doucet, L., BN, MN (Athabasca), RN
Fieldhouse, E., BScN Post RN (Laurentian), MN (Alberta)
Garden-Jayasinghe, J., BN, MN (Dalhousie), RN
Gilfoy, H., BN, MN (Dalhousie)
Hartigan-Rogers, J., BN, MN (Dalhousie), RN
Hunt, C., BScN (Lakehead), MPH (John Hopkins)
Kennedy, E., BScN (St. FX), MEd (MSVU), PhD (Dalhousie)
Knox, J., BN (UNB), MN (Dalhousie), MBA (SMU), RN
Lackie, K., BScN, MN (Dalhousie), RN
LeBlanc, A., BN, MN (Dalhousie), RN
LeBlanc, D., BScN (McMaster), MAEd (Michigan)
Luciani, A., BScN (Ryerson), MN (MUN), RN
MacDonald, R., BSc (Acadia), MHScN (Australia), RN
Moffitt, P., BScN (UBC), MN (UNB), PhD (Calgary)
Morton, S., BA, MLS (Dalhousie)
Naphan, S., MA, BA (Ontario), BN (Athabasca), RN
Newell, J., BN, MN (Dalhousie), RN
Ogada, I. A., BEd (Kenya), MSc (Nutrition) (Belgium), MPH (Kenya)
O'Leary, G., BA (New Brunswick), BScN, MN (Dalhousie), NP (Toronto)
Power, C., BScN (MSVU), MHSA (Dalhousie), CHE, Honorary Doctorate Civil Law (St. Mary's)
Redmond, S., BN, MN (Dalhousie), RN

Snowdon, A., BSc (Western), MSc (McGill), PhD (Nursing) (Michigan)
Srivastava, R., BN (Dalhousie), MScN, PhD (Toronto)
Vandewater, D., BN, MN (Dalhousie), RN
Vine, J., MH (Athabasca), CHE
Whelan, R., BN, MN (Dalhousie), RN
Yates, G., BN, MN (Dalhousie), SNP, RN

Cross Appointments

Fenety, A., BSc (UNB), DipPT (Man), MscPT (Alberta), PhD (Dalhousie)
Gahagan, J., BA Honours (Carleton), MA (Windsor), PhD (Wayne State)
Harbison, J., BA, BSS (Trinity Coll), Grad DipSW (Edinburgh), PhD (U of T)
Jackson, L. A., BA, MA, PhD (Toronto)
Lauckner, H., BSc, MSc, PhD (Queen's)
Murphy, A., BSc Pharm (Dalhousie), PhD Pharm (British Columbia)
Singleton, J., BA (Waterloo), MS (Penn State), PhD (Maryland), Associate Professor, School of Recreation, Physical and Health Education
Warner, G., BSc (Elmhurst), MSc, PhD (Case Western Reserve)

Preceptors

Many nurses and persons in other disciplines, and settings, provide valuable assistance in the education of nursing students. Names can be obtained by contacting the School of Nursing.

School of Nursing Regulations

1. Students are required to observe the University Regulations and Academic Regulations as described in this calendar.
2. Students are assessed in each year on their aptitude and fitness for nursing. Students who, in the judgment of the faculty, fail to attain a satisfactory standard in this assessment may be required to withdraw from the School.
3. Students are responsible for ensuring that they are registered in appropriate courses throughout the program. Incorrect registration, at any time, could cause conflicts in a student's year-to-year progression and/or graduation.
4. Students in the Baccalaureate Program are responsible for (a) the purchase of uniforms including shoes and a watch with a sweep hand or a digital watch with seconds display, (b) cost of accommodation and travel while on clinical experiences. Additional expenses are incurred by students in the Basic Baccalaureate Program for field experience, books, first aid course, CPR course, graduation pin, equipment, and nurse registration examinations and recommended and/or required immunizations and/or testing. Each student must also purchase a name tag from the University.
5. Because of enrolment limits on class size, part-time students who wish to change to full-time status must present this request in writing to the Assistant Director, Undergraduate Studies by March 1.
6. Students are assigned to a faculty member from the Undergraduate Student Affairs Committee to help them plan their academic program and to discuss academic progress or difficulties.
7. Students are permitted to repeat a nursing course, exclusive of nursing electives, in the BScN program only once. A second failure will result in dismissal from the program.
8. Students wishing to appeal a decision based on faculty regulations or decisions should follow the School of Nursing Appeal Procedure outlined in the Nursing Student Guide.
9. Supplemental exams will not be available in any nursing courses.
10. Because of the nature of the study and practice of Nursing which places Nursing students in a position of special trust, applicants will be asked to complete a screening question related to past criminal convictions which might affect the applicant's suitability for the practice of nursing. Students accepted into the nursing program who provide false information will be disciplined by the university. It is the student's responsibility to inform the Assistant Director (Undergraduate Studies) of any new criminal conviction which could affect the student's suitability for practice.
11. Once enrolled in the Nursing Program it is the students' continuing responsibility to inform the Assistant Director Undergraduate Studies of any criminal conviction or any significant personal circumstance which would adversely affect their ability to continue with their studies or which would make them ineligible for registration within CRNNS upon graduation.

School of Nursing Appeal Procedure

The University has established a system which allows students to appeal academic decisions made by faculty. Appeals can be heard at different levels within the University: At the School and at Senate. Appeals are heard in the School by the Student Appeals Committee and at Senate level by the Senate Academic Appeals Committee.

Procedure for Undergraduate Appeals

Undergraduate appeals are heard by the Student Appeals Committee of the School of Nursing. Procedures for the undergraduate appeal process are available from the School.

Interprofessional Health Education

Students are required to maintain enrolment in IPHE 4900 (see calendar section on Health Professions, Interprofessional Health Education) for the duration of their studies. Successful completion of this course is a requirement for graduation, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions. Students are asked to consult with their individual school/college to determine the specific guidelines and expectations regarding the required portfolio.

Degree Options Bachelor of Science (Nursing) for Basic Students

Degree Requirements

Throughout the undergraduate program students must: obtain a minimum cumulative GPA of 2.00; accumulate a minimum of 129 credit hours; successfully complete all compulsory courses, as well as the necessary number of elective courses; and, complete the degree within six years of commencing nursing courses. Credit will be given for non-nursing courses that are up to ten years old by the date the degree is completed.

Grade Point Average Standards (GPA)

The grade point average system is described in the Academic Regulations.

Grades

The following letter-grade system is used to evaluate performance. Pass in nonnursing courses: A+, A, A-, B+, B, B-, C+, C, C-, D, and P. In nursing courses students must attain a minimum of C in both theory and clinical/laboratory components: FM, F, and INC are failing grades. ILL and W are considered neutral.

Requirements for Promotion

Besides meeting the GPA requirements students must meet the following for promotion:

Year I to Year II: A student must pass all 1000-level courses in order to advance to 2000-level nursing courses, including, ANAT 1010.03, PHYL 1010.06, and BIOC 1420.03.

Year II to Year III: A student must pass all second-year nursing courses, MICI 1100.03, and STAT 1060.03.

Year III to Year IV: A student must pass all 3000-level nursing courses.

Normal Workload

The program consists of 129 credit hours; Students can register for a maximum of 15 credit hours per term.

Prerequisite for Course Admissions

There are a number of courses that require prerequisites (see course descriptions). Students must successfully complete the required prerequisites for each course or obtain approval from the Committee on Studies prior to registration.

Advanced Placement

Incoming students with previous post-secondary work may qualify to complete a two calendar year accelerated option. To qualify, students must have a GPA of at least 3.0 and specific prerequisites. Space is limited. For more information please contact the Undergraduate Admissions Secretary.

Bachelor of Science (Nursing) (Arctic Nursing)

The Arctic Nursing Program, developed collaboratively between Nunavut Arctic College and Dalhousie University, is a four-year program that focuses on nursing in Nunavut. This program is designed for Nunavut residents. The curriculum emphasizes awareness and respect for Inuit culture and will prepare Inuit nurses to be leaders in the health-care system of Nunavut.

To apply or learn more about the program <http://www.dal.ca/faculty/healthprofessions/nursing/programs/arctic-nursing.html>.

Graduate Programs

For details of the Master of Nursing, the joint Master of Nursing/Master of Health Administration programs and the PhD (Nursing) program, please consult the Faculty of Graduate Studies calendar.

Bachelor of Science (Nursing) Degree Program

In response to a health care system based on principles of primary health care, the Bachelor of Science (Nursing) Program prepares nurses to work in partnerships with individuals, families, groups and communities to promote, maintain and strengthen health. Graduates are prepared to respond to a range of health and illness needs in a variety of settings and organizational health care infrastructures. The curriculum is designed to enable graduates to meet the standards of nursing practice in Canada and be eligible for registration in Nova Scotia.

In addition to the Dalhousie Campus, students may complete a BScN degree on site in Yarmouth. Students interested in this option should contact the School for further information.

Program Objectives

The Bachelor of Science (Nursing) graduate will:

1. Demonstrate application of nursing science through critical inquiry, commitment to life-long learning and evidence-based practice.
2. Practice competently by applying the principles of primary health care with diverse *clients in a variety of health care contexts and by responding to emerging trends, technology and concepts in health.
3. Communicate, collaborate and partner with *clients, and other members of the health care team to increase capacity and enhance health of populations.
4. Demonstrate ethical, legal and professional accountability in the practice of nursing and remain committed to professional competence through life-long learning.
5. Influence nursing and health care through a social and political analysis of current health care issues and application of leadership skills.

*(individuals, family, groups, community and/or populations)

Bachelor of Science (Nursing) for Basic Students

The Bachelor of Science in Nursing degree is a 129 credit hour program. Graduates are eligible to write examinations for membership in the College of Registered Nurses of Nova Scotia.

Immunization

Before commencing first year studies, students are responsible to have complete and current immunizations against diphtheria, polio, tetanus, pertussis, measles, mumps, rubella, Hepatitis B and a 2-step Mantoux. Access to clinical agencies will be denied if immunizations are not current and complete.

CPR, (HPC) and Standard First Aid Certification

Before commencing first year studies, students must have CPR (Health Care Provider Level) and Standard First Aid certification. CPR (Health Care Provider Level) must be recertified biannually. A cardio-pulmonary resuscitation (CPR) course and standard first-aid course are the student's responsibilities in time and cost. Access to clinical settings will be denied if certification is not current.

Criminal Record Check/Vulnerable Sector Search

Before commencing first year studies, students are responsible for completing a criminal record check (CRC) and Vulnerable Sector Search (VSS). Access to clinical agencies will be denied if these checks are not current.

Course of Study

The Program is offered at both the Halifax and Yarmouth sites. The following is an outline of courses that are normally taken each year.

Program requirements may change with ongoing curricular revisions.

First Year

- ANAT 1010.03
- BIOC 1420.03
- PHYL 1010.06
- NURS 1000.03
- NURS 1030.03
- NURS 1220.03
- NURS 1240.03 (a five-week clinical/course starting in late April or early May with annual variations)
- nine credit hours at the 1000 level from Biology, Chemistry, Philosophy, Psychology and/or Sociology.

Second Year

- MICI 1100.03
- NURS 2000.03
- NURS 2035.03
- NURS 2050.03
- NURS 2080.03
- NURS 2090.03
- NURS 2200.03
- NURS 2280.03
- NURS 2220.06 (a six-week clinical nursing intersession taken in May/June or June/July)
- STAT 1060.03

Third Year

- NURS 3040.03
- NURS 3060.03
- NURS 3260.03
- NURS 3270.03
- NURS 3280.03
- NURS 3290.06 (a six-week clinical nursing intersession, usually starting in April or early May with annual variations)
- Six credit hours at the 2000 or 3000 level from Biology, Chemistry, Philosophy, Psychology, and/or Sociology
- Three credit hours of general electives may be taken from any course NOT listed as a nursing elective: however, the course must be at the 2000 level or above except in the case of a language (not English) which can be taken at the 1000 level.
- One Nursing elective (three credit hours)

Fourth Year

- NURS 4030.03

- NURS 4050.03
- NURS 4060.03
- NURS 4210.03
- NURS 4220.03
- NURS 4250.03
- NURS 4260.03
- One Nursing elective (three credit hours)
- NURS 4240.06 (minimum 280 hour internship beginning in March)

Bachelor of Science (Nursing) for Registered Nurses

[This program has been terminated.]

The Bachelor of Science (Nursing) for registered nurses consists of 60 credit hours of study. Students may complete the program at either the Halifax or Yarmouth site through full- or part-time study. The program can be completed in two calendar years of full-time study provided Faculty resources allow required nursing courses to be offered during the summer session. Otherwise, students without transfer credits can complete the program in two full-time and one part-time academic year (September - April). Part-time students who wish to change their status to full-time must write their request to the Associate Director of Undergraduate Student Affairs by March 1.

A clinical major option in oncology nursing may be available as a course component of the BScN (RN) degree program.

The School of Nursing has made a commitment to offer accessible nursing education to registered nurses allowing them to obtain their education in the communities where they live and work.

Check with the Distance Advisor for Post RN students regarding course offerings.

Course of Study

With the help of an academic advisor, an individual course of study is determined. Course of study may be affected by the actual courses offered in an academic year. Certain courses may have prerequisites as noted in the course descriptions. Part-time students are encouraged to complete most of the required non-nursing courses before starting nursing courses. The course of study varies considerably when the student applies transfer credits toward the degree. Transfer credit regulations are outlined under the Academic Regulations section of the University Calendar.

Required Courses

- STAT 1060.03
- NURS 2250.03
- NURS 3030.03
- NURS 4030.03
- NURS 4250.03
- NURS 4260.03
- Nursing Electives (six credit hours)
- The six credit hours of electives may be chosen from Nursing and Interdisciplinary courses. Course selections vary by year. Please consult the current years timetable for course offerings.

Optional courses (nine credit hours must be selected)

- NURS 2080.03
- NURS 2240.03
- NURS 3270.03
- NURS 4050.03

Eighteen credit hours must be chosen from at least two of the following non-nursing subjects areas: Anatomy, Biochemistry, Biology, Chemistry, Microbiology, Philosophy, Physiology, Psychology and Sociology

Six credit hours of general electives must be taken from any course NOT listed as a nursing elective; however, the course must be at the 2000 level or above except in the case of a language (not English) which can be taken at the 1000 level. An open elective (either nursing or general) is also required.

Nursing Elective Courses

Basic students are required to complete six credit hours of nursing electives. Post RN students must complete six credit hours of nursing electives. NOT ALL NURSING ELECTIVES ARE OFFERED EVERY YEAR. Please consult the School to ascertain the current offerings. When resources allow, the following are offered:

- NURS 2360.03: The Phenomenon of Pain: Assessment and Management.
- NURS 2390.03: Emergency Preparedness: A Nursing Perspective
- NURS 3080.03: Culture Caring and Health Care.
- NURS 3310.03: Health Informatics.
- NURS 3320.03: Acute Care Specialty Nursing
- NURS 3330.03: Fundamentals of Oncology Nursing
- NURS 3360.03: Alternative and Complementary Therapies: Implications for Nursing Practice.
- NURS 4091.03: Breast Feeding for Family and Community Health.
- NURS 4330.03: Self-Directed Learning.
- NURS 4351.03: Specialty Practice of Oncology Nursing.
- NURS 4360.03: Management - The Process in Health Care Agencies.
- NURS 4371.03: Addictions Nursing Practice.
- NURS 4380.03: Introduction to Epidemiology Methods in Nursing Practice.
- NURS 4390.03: Intermediate Pathophysiology and Nursing.

Interdisciplinary Nursing Elective Courses

- NURS 4370.03: Women and Aging.
- NURS 4800.03: Interdisciplinary Course in Human Nutrition.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

NURS 1000 Introduction to the Foundations of Nursing

CREDIT HOURS: 3

Major concepts of health and professional nursing are introduced. Students begin to develop an awareness of the practice of nursing based on the determinants of health, primary healthcare and major nursing concepts. Emphasis is given to the helping role of nursing. A variety of experiences facilitate learning and students are introduced to the practice of nursing in clinical settings.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 1

NURS 1030 Human Development and Health I: Adults and Healthy Aging

CREDIT HOURS: 3

Guided by the principles of Primary Health Care and building on the concepts introduced earlier, students examine the developmental processes experienced by adults. Students focus on the psychosocial, cultural, cognitive, and spiritual health of adults and on nursing practices that promote health in adults at specific developmental stages. Issues of safety and nutrition are specifically addressed. Strategies to promote healthy aging at the individual, family, and community level are explored.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 1000.03

NURS 1220 Knowledge and Process in Nursing Practice I

CREDIT HOURS: 3

Students develop beginning competence in the use of health assessment. Comprehensive health assessments are integrated as a basis for clinical interventions inherent in the caring role. In addition, students are introduced to the organizational and work role competencies required for clinical practice.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 1000.03

NURS 1240 Introduction to Nursing Practice

CREDIT HOURS: 3

(Intersession) Students are introduced to healthcare settings where they interact with older adults at various levels of health. As a basis for these experiences the foundations of nursing addressed in NURS 1000.03 and NURS 1030.03, are further developed. Learning experiences are designed to promote beginning knowledge and skills for the practice of nursing with an emphasis on helping relationships.

FORMAT: Lecture| Lab

PREREQUISITE: NURS 1030.03, 1220.03

NURS 2000 Teaching and Learning and the Communication Process

CREDIT HOURS: 3

Teaching and learning transactions among nurses and individuals, families, groups and communities are integral to health and well-being. The process of communication is central to the teaching-learning process and occurs within the nurse-patient relationship (a collaborative-partnership). The course is designed to assist students to critically analyze and integrate the teaching-coaching domain of nursing practice within the helping role of the nurse. Principles and theories of learning are used to identify strategies to help clients acquire knowledge, skills and attitudes that enable them to attain/maintain optimal levels of health. The course includes an introduction to the counseling role of the nurse with a focus on therapeutic communication strategies necessary to establish partnerships with clients. Students are given opportunities to expand their existing interviewing and communication skills and teaching abilities.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 1240.03, BIOC 1420.03, PHYL 1010.06, ANAT 1010.03

NURS 2035 Nursing Research

CREDIT HOURS: 3

This course requires students to engage in a critical inquiry about how research processes influence the way knowledge is constructed. Students explore dimensions of knowing from multiple perspectives of acquired knowledge, experiential knowledge of nursing practice, conceptual meanings, collaborative practice partnerships and values and beliefs about the contributions of nursing knowledge as transformative in the healthcare system. Sharing new knowledge resulting from the synthesis and transfer of evidence across disciplines and healthcare sectors will be examined. The use of innovative and creative thinking supports students to design ways of communicating and translating research findings for application to practice.

LECTURE HOURS PER WEEK: 3

COREQUISITE: STAT 1060.03/MATH 1060.03

PREREQUISITE: NURS 1240.03, ANAT 1010.03, PHYL 1010.06, BIOC 1420.03

NURS 2050 Pharmacology and Nursing

CREDIT HOURS: 3

Students are introduced to the pharmacokinetics and pharmacodynamics of the major drug classes with an emphasis on application in the clinical setting. Interdisciplinary and collaborative aspects of the nurse's role in administering and monitoring medications and their effects are explored. Students demonstrate knowledge of dosage calculation, preparation and administration of medications. Legal, ethical and professional principles of accountability are examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: NURS 2090.03, NURS 2200.03

PREREQUISITE: NURS 1240.03, BIOC 1420.03, PHYL 1010.06, ANAT 1010.03

NURS 2080 Social and Cultural Determinants of Health

CREDIT HOURS: 3

Social inequities often make it difficult for individuals, families, groups and communities to attain or maintain health. This course is designed to critically analyze the social and cultural determinants of health. Students explore their own attitudes and beliefs related to topics including racism, poverty, ageism, sexism and classism. Critical social theory, cross cultural nursing, communication, health promotion, health education and social action are included in this course to provide students with the knowledge and skills to influence the social determinants of health in the healthcare system.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 1240.03, BIOC 1420.03, PHYL 1010.06, ANAT 1010.03

NURS 2090 Pathophysiology and Nursing

CREDIT HOURS: 3

This course provides a foundation for understanding human physiological responses to health alterations. An in-depth understanding of structural and functional changes from normal serves as the basis for nursing assessment, intervention, and care.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: MICI 1100.03, NURS 2050.03, NURS 2200.03

PREREQUISITE: BIOC 1420.03, ANAT 1010.03, PHYL 1010.06, NURS 1240.03

NURS 2200 Knowledge and Process in Nursing Practice II

CREDIT HOURS: 3

Students are introduced to theoretical bases of nursing to evaluate health behaviours and outcomes. Students build on health assessment skills, and monitor, implement and evaluate nursing interventions. Students are introduced to nursing research to guide reflective nursing practice and the safe use of technology and caring approaches

in laboratory settings.

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 1

COREQUISITE: NURS 2050.03, NURS 2090.03

PREREQUISITE: NURS 1240.03, ANAT 1010.03, PHYL 1010.06, BIOC 1420.03

NURS 2220X/Y Nursing Practice II

CREDIT HOURS: 6

(Intersession) This clinical practicum enables students to continue to integrate primary healthcare principles, nursing knowledge and theory, and nursing processes within nursing practice. Students consolidate concepts, theories and skills in caring for individuals in acute and chronic care settings. Emphasis is placed on collaborating with clients to identify health goals as well as perceptions and attitudes about their health. Students must be prepared to travel beyond the Halifax metropolitan area for part or all of this experience.

PREREQUISITE: NURS 2000.03, 2035.03, 2200.03, 2280.03, 2050.03, 2080.03, 2090.03, MICI 1100.03

NURS 2250 Theoretical Perspectives for Contemporary Nursing Practice

CREDIT HOURS: 3

The purpose of this course is to provide students the opportunity to use theoretical perspectives in nursing to discover knowledge related to the process of nurse-client interaction. Students will examine the development and progress of relevant nursing theories and explore the relationships between nursing theory, nursing science, and nursing knowledge. Students will be introduced to selected methods of theory analysis. The concepts and assumptions of selected nursing theories will be used to describe and explain phenomena relevant to nurse-client interaction.

LECTURE HOURS PER WEEK: 2

RESTRICTIONS: For POST-RN students only

NURS 2280 Care of Adults I

CREDIT HOURS: 3

Students learn to integrate nursing knowledge and processes in the care of adults coping with illnesses. Emphasis is placed on the integration of primary healthcare concepts as related to alterations in health status. Students further develop knowledge and skills during clinical experiences in adult medical and surgical settings.

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 2050.03, 2090.03, 2200.03, MICI 1100.03

NURS 2360 The Phenomenon of Pain: Assessment and Management

CREDIT HOURS: 3

This course challenges students to critically examine their current knowledge and skill in the nursing responsibilities associated with care of clients experiencing pain and to further develop students knowledge, attitudes, skills and competencies in providing effective pain management. Students will improve their ability to identify the client who has pain, perform comprehensive assessments of pain and its impact, initiate nursing interventions to alleviate the pain and evaluate the effectiveness of those interventions. Emphasis is placed on advancing the students ability to assess, analyze and manage this complex phenomenon in order to successfully provide effective pain relief. Critical thinking, interpersonal communication and assessment skills will be enhanced through a variety of learning activities including case studies and weekly online, asynchronous discussions.

FORMAT: Online Delivery

COREQUISITE: NURS 2200.03, 2050.03, 2090.03

NURS 2390 Emergency Preparedness: A Nursing Perspective

CREDIT HOURS: 3

This course focuses on preparation of future nurses for various hazards using an "all hazards" approach. Local, provincial and national disaster response systems, in the event of a mass casualty, are explored, and the ability to care for victims and responders of all types of hazards is emphasized.

FORMAT: Online Delivery

PREREQUISITE: NURS 2090.03, NURS 2200.03

NURS 3040 Human Development and Health II: Children and Youth

CREDIT HOURS: 3

This course examines concepts and theories of healthy growth and development across the life-span from conception to adolescence. Content is organized around health, nutrition, and the safety of individuals at specific stages in their physical, cognitive, and psychosocial development. Concepts of culture/ethnicity, environment, economic status and other life situations are introduced in terms of their relationship to optimal health.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.06, STAT 1060.03, MICI 1100.03

NURS 3060 Legal and Ethical Issues in Nursing Practice

CREDIT HOURS: 3

Note: This course available starting 2014-2015. This course is designed to promote student understanding and application of ethical and legal concepts and theory within the dimensions of nursing practice. Students focus on decision-making processes and the impact of technology on nursing practice.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.03, STAT 1060.03/MATH 1060.03

NURS 3080 Culture Caring and Health

CREDIT HOURS: 3

This nursing elective promotes students awareness of the international/global impact of culture on health beliefs and client access to healthcare systems. Students explore their own attitudes and approaches to international/global cultures. Through this exploration, students identify strategies for international/global healthcare practices.

PREREQUISITE: NURS 1240 or with instructor's permission.

NURS 3260 Nursing Practice: Mothers, Infants and Childbearing Families

CREDIT HOURS: 3

Students focus on the integration of the domains of nursing practice in caring for mothers and newborn infants within the context of the childbearing family. The nature of the childbearing experience is critically analyzed from the perspective of the determinants of health as well as the theoretical bases of maternal-infant attachment and nurse caring. Clinical experience with clients during pregnancy, birthing and post birth in hospital and home settings enable students to focus on health promotion within the context of family-centred care.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 2220.06, STAT 1060.03, MICI 1100.03

NURS 3270 Nursing Practice: Caring for Families

CREDIT HOURS: 3

Guided by the principles of primary healthcare, students focus on families and family health with an emphasis on a thorough understanding of family assessment and developing family therapeutic relationship skills. Students examine family health and health issues from a nursing, cultural, sociological, psychological and other theoretical perspectives as they relate to nursing practice that focuses on working with families in all settings. Upon completion of the course, students will have developed competencies required to use a systems approach when working with families. Laboratory and clinical experiences that include visiting families in their homes provide the students with opportunities to integrate, discuss and practice family nursing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: STAT 1060.03, MICI 1100.03, NURS 2220.06; NURS 2250.03 for post diploma students

NURS 3280 Care of Adults II

CREDIT HOURS: 3

This course focuses on family-centered nursing practice with adults who are managing complex health problems. Emphasis is placed on theoretically based nursing strategies incorporating principles of primary healthcare. Students are guided to incorporate theoretical bases into their clinical practice.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 2220.06, STAT 1060.03, MICI 1100.03

NURS 3290 Nursing Practice III

CREDIT HOURS: 6

(Intercession) This is an opportunity to apply the principles of primary healthcare through reflective practice, the integration and application of theories and family nursing. Students enhance their ability to work with clients through a continuum of care approach. Students must be prepared to travel beyond the Halifax metropolitan area for part or all of this experience.

PREREQUISITE: NURS 3030.03, 3040.03, 3260.03, 3270.03, 3280.03

NURS 3310 Health Informatics

CREDIT HOURS: 3

This nursing elective provides an overview of information technology and systems as they relate to practice, research, and education. Students are introduced to information technology and provided with opportunities to use critical thinking in analyzing the implications of information systems.

FORMAT: Online Delivery

PREREQUISITE: NURS 2220.06; none for Post-RNs; open to students from other departments

NURS 3320 Acute Care Specialty Nursing

CREDIT HOURS: 3

This course introduces students to acute care specialty nursing. Students will further develop, critically analyze and apply knowledge gained in previous courses with a focus on the management of critically ill adult clients in specialized settings. Emphasis will also be placed on interpersonal and interprofessional relationships within specialty practice.

PREREQUISITE: NURS 3280.03

NURS 3330 Fundamentals of Oncology Nursing

CREDIT HOURS: 3

This nursing elective provides an introduction to oncology nursing. Beginning with a review of the physiology of the cancer cycle, the course considers cancer control related to: prevention, screening, early detection, diagnosis, treatment, supportive care/rehabilitation, palliative care. The focus of the course is to provide an opportunity for students to understand the cancer experience from the perspective of the patients and their families.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.06

EXCLUSIONS: NURS 2350.03

NURS 3350 Family Centered Supportive Care for Those Who are Living with Cancer

CREDIT HOURS: 3

This course focuses on families connected to an oncology experience. A family assessment model frames the role of the nurse in family centered supportive care.

Supportive care is the provision of the necessary services as defined by those living with or affected by cancer to meet their physical, social, emotional, nutritional, informational, psychological, spiritual and practical needs throughout the spectrum of the cancer experience. These needs may occur during the diagnostic, treatment, or follow-up phases and encompass issues of survivorship, recurrence, palliative care and bereavement.

NOTES: This course fulfills the requirement for NURS 3270.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

COREQUISITE: NURS 3330.03

PREREQUISITE: NURS 2220.06

NURS 3360 Alternative and Complementary Therapies: Implications for Nursing Practice

CREDIT HOURS: 3

This elective course is designed to advance student knowledge and competencies in caring for clients and families who choose to use complementary and alternative therapies. The use of alternative and complementary therapies is prevalent and popular. Issues such as patient autonomy, freedom of choice, and the principle of non-maleficence are but a few of the ethical challenges faced by nurses and other healthcare practitioners. This course introduces students to alternative/complementary therapies and their associated nursing implications. The primary therapies to be examined include mind-body interventions, manual healing therapies, botanical healing, diet therapy, native healing and spiritual therapies. Students will also have the opportunity to research non-conventional therapies in relation to cancer treatment and health promotion. This course fills a pressing need for graduating nurses to have a full understanding of these therapies so that they will be prepared to work with clients and families who have chosen to use complementary healthcare practices.

FORMAT: Online Delivery

PREREQUISITE: NURS 2200.03, or completion of second year of study in any Health Professions program

NURS 4030 Collaborative Leadership for Nursing Practice

CREDIT HOURS: 3

Based on the view that leadership is integral to the practice of every nurse, the focus of the course is on leadership theories and behaviours essential to nursing practice. Critical thinking, decision-making processes and other leadership behaviours are fostered through experiential and simulated learning methods.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 3290.06; Second and third year Nursing classes are strongly recommended for Post-Diploma; Post-RN NURS 2250.03

NURS 4050 Advanced Communication and Counselling

CREDIT HOURS: 3

This course provides theory related to the counselling role of the nurse and addresses the dynamics of therapeutic communication in complex collaborative situations. Counselling occurs within the nurse-patient relationship viewed as a collaborative partnership which requires the active participation, involvement, and agreement of all partners. The course is designed to assist students to facilitate and encourage individuals, families or client groups to effectively deal with change related to complex health situations. Application of course content in simulated nurse-client interviews in home, clinic or institutional settings enables the student to develop interactive skills in dealing with complex, collaborative health situations such as those requiring immediacy, confrontation, advocacy, conflict resolution and crisis intervention.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: NURS 3290.06; NURS 2250.03 for Post-RN Students

NURS 4060 Palliative Care Nursing

CREDIT HOURS: 3

This course provides an overview of the significant issues facing individuals and their families related to life threatening illness, dying, and the promotion of quality of life. An exploration of one's own attitudes, beliefs, and values regarding death and dying provide a foundation for examination and discussion of course content. An analysis of the principles and standards of palliative care, principles of primary healthcare, methods of assessment, and means of pain and symptom management guide delivery of care. Emphasis on communication, collaboration within teams, ethical issues, spiritual and cultural influences, and grief and coping provide opportunities for reflection and discussion. Online resources offer opportunities for students to enhance their knowledge and understanding of course content.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 3290.06

CROSS-LISTING: NURS 5830.03

NURS 4091 Breast Feeding for Family and Community Health

CREDIT HOURS: 3

This nursing elective is designed to promote student understanding of the process of human lactation. Developmental, sociocultural, physiological, psychological dimensions of breast feeding are used to describe and discuss the dynamics and effects of breast feeding on personal, family and community health. Interprofessional issues and strategies for the protection, promotion and support of breast feeding are explored in the context of primary healthcare and the Canadian healthcare system.

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.06 or permission of course instructor for non-nursing student

NURS 4210 Nursing Practice: Children and Families

CREDIT HOURS: 3

Students focus on nursing practice in the care of children and families. The determinants of child and family healthcare are examined, as well as the role of nursing practice in health promotion and illness prevention for children. Clinical and family issues associated with childhood illness and hospitalization draw on knowledge of child and family development as well as the art and science of nursing knowledge. Students work in clinical settings where care is provided to children and families experiencing illness.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 3290.06

NURS 4220 Mental Health Nursing Practice

CREDIT HOURS: 3

Integrating a holistic perspective within a primary healthcare philosophy, this course focuses on the promotion of individual and community mental well-being. Through reflective practice the use of nursing theories and effective communication, students assist clients through the challenges of mental health problems, crisis, and mental disorders. Students critique the social responsibility of the nursing profession through, not only direct care, but also client advocacy.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NURS 3290.06

NURS 4240X/Y Nursing Practice IV Internship

CREDIT HOURS: 6

Nursing 4240, a clinical internship prior to graduation, provides students with the opportunity to consolidate and apply knowledge and processes within the domains of nursing practice. Students integrate leadership knowledge and behaviours within social healthcare systems. Collaboration and advocacy with clients, other healthcare

professionals and peers are emphasized. Students are precepted with a staff nurse and work the full-time hours of the preceptor. Students have input into their clinical placements, based on their learning needs and interests. Students must be prepared to travel beyond the Halifax metropolitan area for part or all of this experience. PREREQUISITE: All other nursing and non-nursing requirements for the BScN Program must be completed.

NURS 4250 Community Health Assessment

CREDIT HOURS: 3

Community health is a vital component of primary healthcare. The focus of this course is on the integration of community assessment theory and nursing practice in health promotion and illness prevention. Primary healthcare and population-focused health strategies are used as students collaborate with individuals, families, groups, communities and other healthcare professionals in working toward community health goals. Students apply critical thinking in assessing needs and strengths for community development in a variety of community settings.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: NURS 3290.06; Post-Diploma students NURS 2250.03

NURS 4260 Community Development and Advocacy

CREDIT HOURS: 3

This course builds on the content of NURS 4250.03. The focus is on critical thinking, interventions, and the evaluation of community health nursing strategies with client groups and communities. Community development is used as a strategy to put primary healthcare principles into nursing practice. Students are encouraged to work with communities using an empowerment and advocacy approach. Current local, national and international health issues are explored. Clinical experience in a variety of community settings allows students to practice nursing in a reflective manner to improve the health of the community as a whole.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: NURS 4250.03

NURS 4330 Self-Directed Learning

CREDIT HOURS: 3

Students may carry out independent studies or projects related to the theory or practice of nursing, under the direction of a faculty facilitator. Students are encouraged to systematically identify, plan, execute and evaluate a learning project that is relevant to nursing practice.

PREREQUISITE: NURS 2220.06

CROSS-LISTING: NURS 5950.03

NURS 4351 Specialty Practice of Oncology Nursing

CREDIT HOURS: 3

This nursing elective challenges learners to consider the comprehensive care of a range of health and illness needs of individuals at risk or living with cancer within the existing infrastructure for cancer care. While the focus of this course is on the context of adults with cancer, the course reflects a critical analysis of the existing theoretical and evidence-based perspectives influencing health related behaviours of health promotion, illness prevention and decision-making that span from individual to organizational levels.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 3330.03 (or NURS 2350.03) and NURS 3350.03

NURS 4360 Management - The Process in Health Care Agencies

CREDIT HOURS: 3

This nursing elective focuses on management of resources to achieve goals within healthcare agencies and institutions. The agency/institution is viewed as a system within which each manager uses a variety of theory and practice based techniques to establish goals, plan and utilize resources and evaluate outcomes. Emphasis is placed on the day-to-day use of management strategies, techniques and skills. Relevant theoretical constructs and research are explained and discussed while examining their implications for practice. Current management problems in nursing are explored through this introductory course in management.

FORMAT: Lecture| Seminar

PREREQUISITE: NURS 4030.03, or instructor's permission

NURS 4370 Women and Aging

CREDIT HOURS: 3

This interdisciplinary nursing elective explores the issues related to socio-economic factors that are major determinants of the well-being of aging women. Topics include; aging as a process; menopause, violence against older women, older women and housing; self-image and sexuality; health and the aging woman; and older women and poverty.

FORMAT: Lecture| Seminar| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.03; Non-nursing students should have completed 2 years of university study

CROSS-LISTING: SOSA 3245.03/5245.03, GWST 3810.03, NURS 5850.03

NURS 4371 Addictions Nursing Practice

CREDIT HOURS: 3

This nursing elective introduces major concepts associated with addiction nursing practice. It provides a foundation for students pursuing careers in addiction-related care. Within a primary healthcare perspective, students critique models and theories of addiction, consider the interplay between social, gender, cultural environments and addictions and become knowledgeable of a variety of treatment approaches. Universal, selective, and prevention activities at an individual, family and community level are explored.

PREREQUISITE: NURS 2050.03, NURS 2250.03 strongly recommended for Post RNs

CROSS-LISTING: NURS 5871.03

NURS 4380 Introduction to Epidemiology Methods in Nursing Practice

CREDIT HOURS: 3

This introductory course intended to provide students with a working knowledge and understanding of the basic concepts and methods of epidemiology. The focus of this course will be the analysis and interpretation of information about disease and other health related occurrences at a population level within a Public Health Nursing context. This course will also introduce students to concepts for development and evaluating public health programs.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NURS 2220.03

CROSS-LISTING: NURS 5895.03

NURS 4390 Intermediate Pathophysiology and Nursing

CREDIT HOURS: 3

This nursing elective is intended to provide a more in-depth examination of human physiological function in disease than the Introductory Pathophysiology and Nursing (N2090.03). Emphasis is placed on the study of pathophysiology of diseases prevalent in Canada. This course introduces students to up-to-date concepts involved in research on these diseases. In addition, it examines various therapeutic strategies used in treating these diseases and their implications for nursing care.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Basic - PHYL 1010.06, ANAT 1010.03, MICI 1100.03, NURS 2050.03, and NURS 2090.03

NURS 4800 Interdisciplinary Class in Human Nutrition

CREDIT HOURS: 3

The interdisciplinary nursing elective is an interdisciplinary study of the basic principles of nutrition needs throughout the life cycle. Physiological, psychological, socio-economic, physical, educational and cultural determinants are explored to explain why the nutritional status of Canadians can vary and how this variation affects the development of chronic disease. Special emphasis is given to community nutrition in the Atlantic Region.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 1000.06 or by faculty permission

CROSS-LISTING: PHAR 4950.03, PHYT 3090.03, HPRO 2250.03, NURS 5990.03

Occupational Therapy

Location:

Building/Room: Forrest Building

Street Address 1: 5869 University Avenue

Street Address 2: Room 215

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-8804

Fax: (902) 494-1229

Website: www.occupationaltherapy.dal.ca

Email Address: occupational.therapy@dal.ca

Introduction

The Atlantic School of Occupational Therapy was established in 1982 as the only occupational therapy education program in Atlantic Canada. The School exists in response to strong regional advocacy, particularly since 1958 when a School was approved in principle by the University Senate. The regional orientation of the School fosters collaborative teaching, research and professional activities linking those at the university with occupational therapy and other service providers, government workers, and citizens in the four Atlantic Provinces. This regional mandate is combined with an international perspective linking Dalhousie with universities and communities for fieldwork and research.

Occupational Therapy is a health profession concerned with social inclusion. Practitioners enhance the occupational performance engagement, health and well-being of individuals, groups, and organizations, particularly where inequities or injustice limit opportunities for meaningful participation in daily life occupations.

Occupation is viewed broadly to include everything we do to “occupy” ourselves in enjoying life, looking after ourselves and others, and contributing to the social and economic productivity of our communities.

Health is viewed broadly as having the ability, opportunity and resources, for quality of life with meaningful occupations in supportive environments.

Occupational therapists use their understanding of occupation, enabling processes, justice and systems to enable individuals, groups and organizations to overcome obstacles that limit their ability to do things they need and want to do. Obstacles addressed by occupational therapists may include illness, injury, physical or mental disability, developmental delay, social disadvantage, old age, cultural, and physical barriers in the home, community and workplace. Using a “partnership” approach, occupational therapists work with individual families, groups, communities, organizations, populations, businesses or governments. The focus can be either on enabling individual change, or enabling change in physical and social environments, policies or legislature to enhance occupational performance and engagement in society. Practice may enable change in skills, attitudes, routines, design of buildings, use of assistive technology, policies, etc.

The role of an occupational therapist is varied and challenging. Occupational issues are never the same because no two people or environments are ever exactly the same. The challenge for occupational therapists is to plan and implement the “just right” program or strategy for each and every client so that everyone can achieve just opportunities to participate in society.

Degrees Offered

In concert with national standards and requirements for occupational therapy education, the School of Occupational Therapy at Dalhousie University only offers graduate level degree programs. For further information on our occupational therapy degree programs, please refer to the Graduate Calendar.

Certificate in Disability Management

The School of Occupational Therapy offers a Certificate Program in Disability Management to students currently enrolled in an academic program at Dalhousie or another Canadian university. The Certificate Program is built around the philosophy of disability management and early assistance as the most effective means by which to assist injured and ill workers to attain their maximum level of functioning and ability to return to work. Disability Management is designed to benefit injured workers through its participatory and proactive problem-solving process incorporating strategies that ensure workers timely and safe return to work. All courses in the Certificate Program are offered completely on-line.

Please refer to the Disability Management section in this calendar for additional information.

Post Professional Certificates

These certificates are for people who are working in health, social, or community services whose professional preparation has normally included a bachelor's degree or higher in a relevant field. The following certificates are being offered in the School:

- Chronic Condition Self-Management
- Aging and Continuing Care
- Diversity and Inclusion

Please refer to the Occupational Therapy section in the Graduate Calendar for additional information.

Master of Science (Occupational Therapy) - MSc (OT): Master's Program to Enter the Profession

MSc (OT) First class accepted into the program in September 2006.

Master of Science (Occupational Therapy–Post- Professional): Post Professional Master's program for qualified occupational therapists.

1. Research Thesis Stream
2. Practice Leaders Stream
3. Single graduate courses (with instructor's permission)

PhD

Faculty in the School of Occupational Therapy welcome applications for PhD studies focused on occupational therapy or occupational science. Interested persons should contact individual faculty at the School. Applications will be submitted through the most suitable program, such as the PhD in Health, Interdisciplinary PhD program, or Biomedical Engineering PhD program. Prospective students may be eligible for funding through scholarship programs at NSERC, SSHRC, CIHR, or from the Nova Scotia Health Research Foundation (NSHRF). Within Dalhousie funding possibilities include Killam scholarships.

Staff

Dean

Webster, W. G., PhD

Director

Packer, T., BSc (OT) (Western), MSc, PhD (Queen's)

MSc (Occupational Therapy) Graduate Coordinator

Merritt, B., BS (Psychology), MS (OT), PhD (Colorado State)

MSc (Occupational Therapy - Post-Professional) Graduate Coordinator

Stadnyk, R., BA (Alberta), BSc (OT), MSc (Queen's), PhD (Toronto)

Professors Emeriti

O'Shea, B., DipP & OT (Toronto), BSc (Queen's), MS (Colorado State), LLD (Dalhousie)
Townsend, E., DipP & OT (Toronto), BSc (OT) (Toronto) MAdEd (St. FX), PhD (Dalhousie)

Professor

Packer, T., BSc (OT) (Western), MSc, PhD (Queen's)

Associate Professors

Beagan, B., BA, MA (Dalhousie), PhD (UBC)
Merritt, B., BS (Psychology), MS (OT), PhD (Colorado State)
Versnel, J., BSc (OT) (Toronto), MSc (OT) (Western), PhD (Queen's)
Warner, G., PhD (Epidemiology) (Case West Reserve University)

Assistant Professors

Brown, J., BSc (OT) (Toronto), MSc (OT) (Dalhousie)
Dieleman, C., BSc (OT) (Western), MSc, PhD (Queen's)
Lauckner, H., BSc (OT), MSc, PhD (Queen's)
MacKenzie, D. E., BSc Physical Education (Saskatchewan), BSc (OT) (Alberta), MA (Ed) (MSVU), PhD (Dalhousie)
Saunders, J., BSc (OT) (Dalhousie), MBA (St. Mary's)
Stadnyk, R., BA (Alberta), BSc (OT), MSc (Queen's), PhD (Toronto)
White, C., BEd. (UNB), BSc (OT) (Dalhousie), MEd (UNB), MSc (OT-Post-Professional) (Dalhousie), PhD (Queen's)

Lecturer

Landry, K., BSc (OT) (Dalhousie), MSc (Rehabilitation Research-Physiotherapy), (Dalhousie)

Instructor

O'Keefe, C., BSc (OT) (Dalhousie), MSc (OT-Post-Professional) (Dalhousie)

School Fieldwork Education Coordinator

Saunders, J., BSc (OT) (Dalhousie), MBA (St. Mary's)

International Fieldwork Education Coordinator

Lauckner, H., BSc (OT), MSc (OT), PhD (Queen's)

Provincial Fieldwork Education Coordinators

New Brunswick: **Roussel, M.**, DipHS (S-L Maillet), BSc, MA (Montreal)

Newfoundland: **Walsh, A.**, BSc (OT) (Dalhousie)

Nova Scotia: **Saunders, J.**, BSc (OT) (Dalhousie), MBA (St. Mary's)

Prince Edward Island: **Crawford, K.**, MSc (OT) (Western)

Adjunct Appointments

Academic

Auduly, A., PhD (Mid Sweden Univ)

Basiletti, M., MSc (OT-Post-Professional) (Dalhousie)

Carswell, A., Dipl (OT), BSc (OT), MSc (McGill), PhD (Toronto)

Craik, J., BSc (OT) (Queen's), MSc (Toronto)

Edem, D., BSc (OT), MHSA (Dalhousie)

Egan, M., BSc (OT) (Western), MSc (OT) (Alberta), PhD (McGill)

Kirsh, B., BSc (OT), MEd, PhD (Toronto)

Laliberte Rudman, D., BSc (OT) (Toronto), MSc (OT) (Western), PhD (Toronto)

Palmadottir, G., Dip (OT) (Aarhus, Denmark), MSc (OT) (Colorado)

Pranger, T., BSc (OT), MEd, PhD (Toronto)

Taylor, S., Dip (OT) (Queen's), MA (SMU)

VanBruggen, H., Honorary Doctor of Science degree (Univ. of Brighton)

Wicks, A., BAS (OT) (Curtin), MHS (OT) (South Australia), PhD (Charles Sturt)

Cross Appointments

Gahagan, J., BA, BA (Hons) (Carleton), MA (Windsor), PhD (Wayne State)

Hutchinson, S., BA (UVic), MA (Dalhousie), PhD (Georgia)

Manuel, P., BA (Carleton), MSc (McGill), PhD (Dalhousie)

Unruh, A., BSc (OT) (Western), MSW (Carleton), PhD (Dalhousie)

Waldron, I., BA (McGill), MA (U of London), PhD (Toronto)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Note

The School does not currently offer an undergraduate degree.

We offer undergraduate courses for continuing professional development, refresher education and/or to advance one's knowledge of occupational science. Not all courses are offered each year. Please contact the School for the current course offerings and enrollment in single course.

Course Descriptions

OCCU 2000 Occupation and Daily Life

CREDIT HOURS: 3

This introductory course for students in arts, social sciences, science and other fields is designed to explore the meaning of occupation in everyday life. Typically, the term "occupation" refers to categories of paid work. This course will explore a broader meaning of occupation; namely purposeful activity. This concept of occupation will include everything we do to look after and develop ourselves, be involved in meaningful endeavours, contribute to our communities, promote health, advocate for opportunities, generate income and more. Students will be exposed to a broad range of literature on occupation; the motivation, organization and performance of occupation; the environment as a context for occupational performance; and the promotion of health through occupation. Students will gain an appreciation of occupation as the foundation of everyday life through sociological, anthropological and narrative analysis, and experiential activities.

FORMAT: Lecture| Discussion

RESTRICTIONS: None. This course is OPEN to non-Occupational Therapy students

OCCU 2207 Occupational Development Across the Life Span

CREDIT HOURS: 3

Theories and processes that explain the complexity and dynamics of occupational development across the lifespan are introduced. The course explores typical patterns of physical, cognitive, and psychosocial development and their occupational implications, as well as contexts for occupational development including roles and environments.

PREREQUISITE: Instructor permission

OCCU 4402 Program Design and Evaluation for Enabling Occupation

CREDIT HOURS: 3

This course enables students to critically assess, plan and design an evaluation for occupational therapy programs in a variety of settings. Students will be provided with the basic knowledge and skills of: strategic planning; program development; resource management; and program evaluation. As part of this course, students will complete a novice consulting project. This project will provide students with the opportunity to explore the provision of occupational therapy in a non-traditional setting.

PREREQUISITE: Instructor permission

OCCU 4420 Fieldwork III

CREDIT HOURS: 0

This eight week fieldwork placement introduces students to occupational therapy practice outside the Atlantic region. There are a limited number of opportunities for International options outside Canada and expanded fieldwork with an off-site occupational therapist preceptor within Atlantic Canada. Students develop competence and increased independence in integrating theoretical knowledge and skills through the full process of Occupational Therapy practice. Under supervision, students assume responsibility for a case load of approximately 40-60% of that of an entry level therapist. All expenses are the responsibility of the student including a placement fee, travel, accommodations, etc.

PREREQUISITE: Instructor permission

OCCU 4422 Fieldwork Level III (Continued)

CREDIT HOURS: 0

During this six week fieldwork experience students focus on refining professional competencies and seeking new challenges with minimum guidance from a preceptor. Students are expected to develop the capacity to carry 75% or more of the responsibilities of an entry-level occupational therapist by the completion of this fieldwork education placement.

PREREQUISITE: Instructor permission

Pharmacy

College of Pharmacy

Location:

Building/Room: George A. Burbidge Building

Street Address 1: 5968 College Street

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2378

Fax: (902) 494-1396

Website: www.dal.ca/pharmacy

Email Address: pharmacy@dal.ca

History

Formal pharmacy education in the Maritime provinces began in 1908, with evening classes in pharmacy and chemistry conducted in the Nova Scotia Technical College. Success of these courses encouraged the Nova Scotia Pharmaceutical Society to establish the Nova Scotia College of Pharmacy in 1911. The College was affiliated with Dalhousie University in 1912.

The New Brunswick Pharmaceutical Society and the Prince Edward Island Pharmaceutical Association were admitted to affiliation with the College in 1917 and 1950, respectively. With the affiliation of the former society, the College was renamed the Maritime College of Pharmacy.

In 1961, the Maritime College of Pharmacy was admitted into Dalhousie University as the College of Pharmacy, a constituent part of the new Faculty of Health Professions. A four-year baccalaureate program was introduced.

In 1966, a Master's program was established, followed by a Doctor of Philosophy program in 1977.

In 1972, a twelve month pharmacy residency program was initiated by Camp Hill Hospital in cooperation with the College of Pharmacy. Programs were initiated at the Halifax Infirmary in 1974, at the Victoria General Hospital in 1981 and at the Saint John Regional Hospital in 1982.

In the fall of 1968, the College of Pharmacy moved into the George A. Burbidge Pharmacy Building. This building, the former Medical Sciences Building was renamed in honour of the first Dean of the College, in recognition of his contribution to pharmacy education in the Maritimes. Present facilities accommodate approximately 360 undergraduate students.

College of Pharmacy Mission Statement

Mission

Enhancing health through pharmaceutical education, community service and research.

Vision

The College of Pharmacy is a leader in practice-based pharmacy education and is respected for pharmacy research. The College is also a major enabler in advancing the practice of pharmacy.

We are highly responsive to patient-needs and changes in the health care environment. Our graduates are well prepared to become effective practitioners, researchers and future leaders.

Accreditation

The Bachelor of Science in Pharmacy Program of the College of Pharmacy, Dalhousie University, has been granted Full Accreditation Status by the Canadian Council for Accreditation of Pharmacy Programs for a six year term, 2010-2016.

Staff

Director

Mansour, S. A., BSc (Pharm), MBA (Dalhousie), PhC

Associate Directors

Program Evaluation: **Whelan, A. M.**, BSc (Pharm) (Dalhousie), PharmD (MUSC)
Research: **Sketris, I. S.**, BSc (Pharm) (Toronto), PharmD (Minn), MPA (HSA) (Dalhousie)

Professors Emeriti

Duff, J. G., BSP, MSc (Sask), PhD (Fla)
Yung, D. K., BA, BSP, MSc (Sask), PhD (Alta)

Professors

Jakeman, D. L., BSc, PhD (Sheffield)
Sketris, I. S., BSc (Pharm) (Toronto), PharmD (Minn), MPA (HSA) (Dalhousie)
Whelan, A. M., BSc (Pharm) (Dalhousie), PharmD (MUSC)
Yeung, P. K. F., BSc (Pharm), MSc (Man), PhD (Sask)

Associate Professors

Agü, R., BPharm, MPharm (Pharmacology) (U Nigeria), MPharm (Pharmaceutics), PhD (Biopharmaceutics) (Katholieke Universiteit, Belgium)
Bowles, S. K., BScPhm (Toronto), PharmD (SUNY)
Doucette, D., BSc (Pharm) (Dalhousie), PharmD (U of T)
Gardner, D., BSc (Pharm), PharmD (UBC)
Goralski, K., BSc Hon (Biochem/Micro), PhD (Pharmacology and Therapeutics) (U Manitoba)
Jurgens, T., BSc (Pharm), MSc (Dalhousie), PhD (Miss)
Mansour, S. A., BSc (Pharm), MBA (Dalhousie), PhC
Murphy, A., BSc (Pharm) (Dalhousie), PharmD (UBC)
Wilson, J., BSc (Pharm) (ACPR) (Dalhousie), PharmD (SC)

Assistant Professors

Black, E., BSc (Pharm), ACPR (Dalhousie), PharmD (UBC)
Isenor, J. E., BSc (Pharm) (Dalhousie), PharmD (UBC)
MacKenzie, M., BSc (Pharm) (Dalhousie), PharmD (UBC)

Lecturers

Deal, H., BSc (Chem) (Acadia), BSc (Pharm) (Dalhousie)
Kennie-Kaulbach, N., BSc (Pharm) (ACPR) (Dalhousie), DipAdultEd (St. FX), PharmD (U of T)
Sponagle, K., Diploma Engineering (Saint Mary's), BSc (Pharm) (Dalhousie)
Walker, L., BSc (Pharm) (Dalhousie)

Coordinator of Clinical Education/Regional Residency Coordinator

Davies, H., BSc (Hons) (Biology) (Acadia), BSc (Pharm) (Dalhousie), MEd (Curriculum Studies) (Acadia), CDE

Coordinator, Community Experience Program

Harris, N., BSc (Pharm) (Dalhousie)

Adjunct Appointments

Fisher, J., BSc (Pharm) (U of Toronto), MA (Gerontology) (Simon Fraser), PhD (U of Toronto)
MacDonald, T., BSc (Biology), BSc (Honours) (Marine Biology), BSc (Pharm) (Memorial), PharmD (Florida)
Massoud, E., MB, BCh, MSc (Cairo), FRCSC (Royal College)
Skedgel, C., BA (Hon) (Lakehead), MDE (Dalhousie), PhD (Univ of Sheffield) Expected

PEP Associates

Throughout the Maritime provinces pharmacist preceptors in community and hospital pharmacies participate in structured practice experience programs (PEP). The College of Pharmacy would like to acknowledge the valuable and essential contribution that preceptors make to the education process. Sincere thanks and appreciation is extended to all preceptors for the time and energy they devote to students.

The PEP is administered by the College with the support of the provincial pharmacy regulatory authorities in the Maritimes. Second, third, and fourth year students demonstrate their knowledge and professional competency in practice rotations in community and hospital pharmacy sites.

College of Pharmacy Regulations

All students are required to observe the University Regulations and Academic Regulations as described in this Calendar. The academic performance of each student in the College is assessed by the Student Promotions Committee.

Academic Requirements

Workload

The curriculum is composed of problem-based learning (PBL) and other courses, which may include tutorials, lectures, labs, practice experience and other components. (See IV. Programs offered). To satisfy the requirements for the degree of Bachelor of Science in Pharmacy, a student must achieve a grade of Pass in each prescribed component. PBL courses vary in length from three to seven weeks, and are weighted as either 1.5, 3, or 6 credit hours. Each academic year totals 27, 31.5, or 33 credit hours, with the program total being 123 credit hours.

Students are required to successfully complete all practice experience rotations. These placements may be outside the Halifax/Dartmouth area. Students are responsible for any travel, accommodation and any other costs associated with practice experience rotations.

Academic Recognition

Awards

The College of Pharmacy Awards Committee administers a number of awards, each with defined criteria. Selection of award recipients described as the “student who excels” is based on a combination of performance in knowledge assessments and in tutorials. Eligibility for In-course Scholarships is determined on the basis of knowledge assessments alone.

Dean’s List

Students will be assessed for Dean’s List based on their knowledge assessments and class standing in the annual “Progress Exam.” No student who has obtained a failing grade (FM or F) will be eligible for the Dean’s List in the year in question.

Distinction

Students who have been on the Dean’s List for three of the four years of the Pharmacy Program and a cumulative GPA of 3.70 or higher will graduate with Distinction.

Assessment

1. Grading is on a Pass/Fail basis, and grades recorded on the official University transcript are “Pass”, “Marginal Fail” or “Fail” (P, FM, F). Students must pass all components of the year in which they are registered to proceed to the next year. The passing grade for knowledge assessments is 60% unless otherwise indicated.
2. Student performance will be assessed during and at the end of each PBL course. Assessment will be of both the learning process and the knowledge/skills achieved. Tutors will provide informal assessment of the student’s learning process throughout a PBL course and a formal assessment (student tutorial performance assessment) at the completion of a course. Knowledge/skills will be assessed as described in the syllabus provided for each course.
3. To pass a PBL course, a student must pass both the student tutorial performance assessment and the course knowledge assessment.
4. A student who fails no more than one academic course will be assigned a grade of marginal failure (FM) in that course. The student must meet with the Associate Director, Undergraduate Education to discuss remediation and/or support. More than one failure will result in all failed course being assigned the grade of Fail (F).
5. The Student Promotions Committee of the College of Pharmacy is responsible for monitoring the academic progress of students and providing recommendations to faculty regarding promotion and graduation of students. Students who seek redress for the application of the regulations of the College of Pharmacy should refer to the appeals process described in Appeals section below.

6. Attendance at the tutorials, skills laboratory and practice experience program (PEP) is mandatory. Absence must be supported with a valid reason, such as illness with a medical certificate or other reason approved by the Undergraduate Education Committee. Other absences will be reported to the Student Promotions Committee and may be reason for failure.

Reassessment of a Grade

See Academic Regulation 16.7. In all cases of reassessment, the calculations used to arrive at the final grade will be checked. In those courses where the student has had ample time to consider marks obtained for all work done, except for the final examination, reassessment in such courses shall be done on the final examination only. For other courses, a reassessment shall include the results from all work not previously available to the student during the term.

Supplemental Assessment

1. A student who receives a grade of FM is eligible for remedial work and supplemental assessment.
2. A student who fails one PBL student tutorial performance assessment must undertake remedial work during the following course, organized by the Associate Director, Undergraduate Education. If the failure occurs in the final course of the year, remediation will occur during the summer. The student must successfully complete the remedial work and supplemental assessment to achieve a Pass.
3. A student who fails the knowledge assessment or other requirement outlined in the syllabus of a PBL or non-PBL course will be required to do remedial work and must pass a supplemental assessment, which will be scheduled by the course coordinator in consultation with the Associate Director, Undergraduate Education and the students involved.
4. If a student fails one PBL or non-PBL course, the grade will be recorded as "FM" on the student's transcript. Failure to pass the remedial work and supplemental assessment will lead to conversion of the grade to "F". If the student successfully completes the remedial work and supplemental assessment, the passing grade will then be added to the transcript and recorded as "P" with a notation that the grade was earned by supplemental assessment.
5. Failure in a second course (either a PBL or non-PBL course) will negate a pass that may have been achieved by supplemental assessment in the first failed course. (See F.1.a below.)

Repeating the Year

1. Subject to eligibility, a student will be required to repeat the year if:

a) the student has failed any two courses (PBL or non-PBL courses) or

b) the student has failed one course and has not successfully completed the prescribed remedial work and supplemental assessment.

2. To be eligible to repeat a year, a student who has failed two courses must satisfactorily complete all other year requirements except the Practice Experience Program. However, a student with two failures will not be eligible to register in the Practice Experience Program.
3. Application to repeat the year must be made in writing to the Associate Director, Undergraduate Education by a predetermined date.
4. Any student who withdraws voluntarily, due to illness or other personal circumstances, and is allowed to repeat the year, will be considered a student in a repeat year unless the student withdraws before the last day of the first PBL course of the academic year, or the student tutorial performance assessment, if the two do not coincide.
5. No student will be allowed more than one repeat year during the undergraduate program. All students who repeat the year will be assessed on performance in the repeated year.

Leave of Absence

A student who needs to take leave from the pharmacy program must apply to the Director to do so. A leave of absence must be approved in advance by the Director of the College of Pharmacy. Normally, a student who absents himself/herself from the College of Pharmacy without prior permission for an extended period (four weeks or greater) will be presumed to have withdrawn and will have to re-apply for admission to the College of Pharmacy. A leave of absence will be limited to one leave period and will not normally exceed one academic year. A leave of absence will not count towards time in the Pharmacy program.

Dismissal from the Study of Pharmacy

1. Any student who fails more than two courses (PBL or non-PBL courses) of the curriculum in one year will be dismissed from the study of pharmacy.
2. A student in a repeat year who does not meet the criteria for promotion will be dismissed. The normal regulation allowing remedial work and supplemental assessment in one course will apply.
3. Students are also referred to University Regulations: Suspension or Dismissal from a Program on the Grounds of Professional Unsuitability - Faculty of Health Professions.

Appeals

Students who wish to raise questions or to register complaints in matters of academic appeal are advised to communicate informally with their instructor within 10 working days of the alleged unfairness or irregularity. If no resolution arises from this (these) meeting(s), the student may initiate a formal appeal.

Students wishing to initiate a formal appeal should follow the appeals procedures as set out by the College of Pharmacy, Undergraduate Student Appeals Committee, Faculty of Health Professions. These procedures are available within the General Office, College of Pharmacy. Application for a formal appeal should be made to the College of Pharmacy Chair, Undergraduate Student Appeals Committee within 20 working days of the matter giving rise to the appeal.

General Information

Immunization

Students must show proof* of current immunization against tetanus, diphtheria, pertussis, polio, measles, mumps, rubella, Hepatitis B, varicella (if non-immune) and a negative two-step Mantoux (TB) test prior to admission to the College.

Evidence of a negative two-step tuberculin testing (Mantoux) is required before all hospital rotations. Students are responsible for the cost of all tests and immunizations.

*Students must complete the Faculty of Health Professions' infectious disease and immunization checklist.

Each student is required to maintain their personal immunization record, and submit a copy by a set deadline for their student file. Individual sites may require students to present immunization records prior to acceptance at a practice site. Individual clinical practice sites may have additional immunization requirements. Failure to provide this information may result in a student being denied access to a placement site.

Career Opportunities

Pharmacy is a health profession in which pharmacists provide care for their patients as one member of the health care team. This care focuses on the patient from the perspective of drug therapy. The pharmacist is responsible to identify, prevent and resolve patient drug therapy problems. Specific activities include: taking medication histories, identifying goals for drug therapy, providing recommendations and education to patients regarding self-medication, providing recommendations to other health care providers on drug therapy, working with patients to maximize benefits and minimize adverse effects of drug therapy, maintaining patient drug profiles, counseling patients on prescribed medication, monitoring drug interactions, adverse drug reactions and patient compliance with their drug treatment. Other activities include the provision of information on drugs to patients and other health professionals, the preparation of suitable materials for use as medicines from natural and synthetic sources, the compounding of drugs and the dispensing of suitable medication.

Pharmacy graduates have a wide range of career opportunities. The majority enter community pharmacy practice. Hospital pharmacy also provides an interesting challenge for pharmacists, particularly in view of their expanding role within the clinical setting. The pharmaceutical industry provides opportunities for pharmacists in the fields of sales and marketing, production, research and quality control.

The increased role of federal and provincial governments in public health provides opportunities for pharmacists in analytical laboratories and in administrative position as consultants, government inspectors and health officers. Opportunities may also be available in universities as teachers and researchers.

A Bachelor of Science in Pharmacy is necessary for those who wish to practice as licensed pharmacists. For those who wish to enter research or teaching, a Master of Science degree or further postgraduate study is usually required.

Practice Requirements

1. Licence in Pharmacy

The College of Pharmacy, being purely educational, has no jurisdiction in matters related to licensing or to registration as a Pharmacist. These functions are entirely under the control of the provincial regulatory authority concerned; a period of practical training or apprenticeship is required by the provincial regulatory authority before a graduate in pharmacy is licensed as a pharmacist. Information regarding licensing or registration in each province may be obtained from the respective provincial regulatory authority: New Brunswick Pharmaceutical Society, Unit #8, 1224 Mountain Road, Moncton, NB E1C 2T6; Prince Edward Island Pharmacy Board, PO Box 89, Crapaud, PE C0A 1J0; Nova Scotia College of Pharmacists, Suite 200, 1559 Brunswick Street, Halifax, NS B3J 2G1.

2. Pharmacy Examining Board of Canada (PEBC)

The Pharmacy Examining board of Canada was created by Federal Statute on December 21, 1963, to establish qualifications for pharmacists acceptable to participating pharmacy provincial regulatory authorities. The Board provides for annual examinations and issues a certificate to the successful candidate, which may be filed with a

Canadian provincial regulatory authority in connection with an application for license to practice pharmacy under the laws of that province. Baccalaureate graduates from Faculties of Pharmacy accredited by the Canadian Council for Accreditation of Pharmacy Programs are eligible to write these examinations. Successful completion of these examinations is a prerequisite to licensure in Canada.

Individuals who are not graduates of an accredited Canadian Faculty of Pharmacy must first complete the PEBC Qualifying Exam.

Student Pharmacy Society

The basic aims of the Student Pharmacy Society are to promote a closer liaison with the other societies on campus, to give the pharmacy students a strong position with regard to Student Council activities, to provide a means of communications between students and their respective provincial regulatory authorities in the Maritimes, and to provide an organizational body which plans and finances the various unique Pharmacy Society activities.

Membership in the Pharmacy Society includes membership in the Canadian Association of Pharmacy Students and Interns and membership in the Canadian Pharmacists Association.

Programs Offered

The College of Pharmacy offers a four-year program, following at least one year of general science, leading to the degree of Bachelor of Science (Pharmacy) - BSc (Pharm).

The undergraduate program has a patient-oriented curriculum integrating clinical pharmacy with the pharmaceutical sciences. The curriculum utilizes an integrated problem-based learning format.

Year 1 includes pharmacy law and health care ethics, biomedical and physical sciences (anatomy, biochemistry, microbiology, pharmacology and physiology) in discrete three-to seven-week courses. The pharmaceutical sciences (biopharmaceutics and pharmacokinetics, medicinal chemistry, drug metabolism, toxicology, pharmaceutics and physical pharmacy) with necessary reviews of biomedical content, are integrated in Years 2 through 4, with therapeutics, pharmacoepidemiology, pharmacoeconomics, pharmaceutical care, communications, interprofessional relations, law and ethics, social and administrative pharmacy issues, and the role of pharmacy in the health care system.

The College participates with the Queen Elizabeth II Health Science Centre, Halifax, NS, and the Horizon Health Network, NB in providing a Canadian Hospital Pharmacy Residency Board accredited twelve-month post graduate hospital pharmacy residency program.

Through structured rotations in various areas of pharmacy practice, the program aims to prepare pharmacists for exemplary pharmacy practice. Areas of rotation include patient care, drug information, drug distribution, pharmacy administration, a research project and in-service and education. The emphasis is on providing exemplary patient care. Practitioner role models/preceptors are utilized throughout the program to mentor the necessary skills, knowledge and values required to be a pharmacist for application by the resident. A stipend is provided and a certificate is presented to candidates successfully completing the program.

Undergraduate Curriculum Structure

The PBL curriculum, within the College of Pharmacy, may be scheduled past the posted exam periods. Students are responsible for all costs associated with expenses during this time (i.e., meal plan expiration, residence closure, etc.).

Tutorials

The principal feature of the curriculum is problem-based learning (PBL). Students learn together in tutorial groups of eight to ten.

Each group is facilitated by a trained non (content)-expert tutor who may be faculty, sessional tutors, practitioners or graduate students.

Two-hour tutorials are held three times a week. In tutorial sessions students are presented with a situation for which they must identify their own prior knowledge and set specific learning objectives. Students use the time between tutorial sessions for self-directed learning of the objectives that they have set. Subsequent tutorials consist of discussion and application of knowledge.

Courses

A minimal number of courses explain difficult concepts and summarize learning modules. Science laboratory sessions are limited to experiments and demonstrations that enhance student learning of concepts.

Skills Laboratory

The skills laboratory focuses on practical skill development and application of knowledge acquired in the PBL curriculum and critical appraisal series. Activities required for successful completion of the practical experience program are introduced and practiced. Content includes but is not limited to: extemporaneous compounding, prescription filling and assessment, written and verbal communication skills, patient education, device training, injection training, and jurisprudence.

A cardiopulmonary resuscitation (CPR) level HCP and standard first aid course are the students' responsibility in cost.

Practice Experience Program (PEP)

A progressive professional field experience complements the PBL curriculum as follows:

Year 1 - Community Experience Program (CEP)

- the equivalent of a half day per week in a goal-related service learning in a non-pharmacy health-oriented community site.

Year 2 - Practice Experience Program (PEP)

- PHAR 2081.03 - Hospital Rotation (two consecutive weeks)
- PHAR 2082.03 - Community Rotation (two consecutive weeks)

Second year rotations are completed during the months of May - August, after successful completion of all other second year courses. Each rotation is two weeks in length, at a minimum of 35 hours/week. Second year rotations provide students with an opportunity to see pharmacists practice patient focused care in both community and hospital practice settings. Time is also spent on the distributive, legislative and administrative components of pharmacy practice.

Year 3 - Practice Experience Program (PEP)

- PHAR 3080.03 - Community Rotation (four consecutive weeks)

This rotation is completed during the months of May - August, after successful completion of all other third year courses. This rotation is four weeks in length at a minimum of 35 hours/week and introduces students to the practical application of the pharmacist's patient care process in a community pharmacy. Rotation objectives address drug information, prescription and non-prescription medications, patient education, and health promotion presentations to community groups. This rotation is intended to provide an introductory experience to clinical activities including: monitoring patients, identifying drug-related problems, and defining and measuring patient goals and outcomes.

Year 4 - Practice Experience Program (PEP)

- PHAR 4080.045 – Hospital Rotation (six consecutive weeks)
- PHAR 4085.045 – Community Rotation (six consecutive weeks)

These six-week rotations are the culmination of the student's study. Experiential rotations in hospital and community practice sites allow students the opportunity to apply all the knowledge, skills and values they have developed to the provision of total pharmacy care. The focus of these rotations is patient-based and primarily clinical. Each rotation is six-weeks, at a minimum of 40 hours/week.

For each rotation, from year 2 through to year 4, students are required to travel to sites outside of the Halifax area and will be responsible for any costs incurred as a result of the program.

Students should note that there are very limited PEP rotation sites outside the Maritime Provinces. All PEP rotations must take place within Canada. Students must be prepared to complete all PEP rotations within the Maritimes.

Prescribed Courses

Year 1

- ANAT 1040.03
- BIOC 1040.06
- CHEM 2442.03
- MICI 1050.03
- PHAC 1470.06
- PHAR 1060.015
- PHAR 1070.03
- PHAR 1080.00
- PHYL 1400.06

Year 2

- PHAR 2010.03
- PHAR 2015.03
- PHAR 2020.03
- PHAR 2035.06
- PHAR 2040.03
- PHAR 2045.015
- PHAR 2055.015
- PHAR 2060.015
- PHAR 2070.03
- PHAR 2081.03
- PHAR 2082.03

Year 3

- PHAR 3010.03
- PHAR 3020.03
- PHAR 3030.03
- PHAR 3040.06
- PHAR 3050.03
- PHAR 3055.06
- PHAR 3060.03
- PHAR 3070.03
- PHAR 3080.03

Year 4

- PHAR 4010.015
- PHAR 4025.06
- PHAR 4035.06
- PHAR 4060.03
- PHAR 4070.015
- PHAR 4080.045
- PHAR 4085.045

Interprofessional Health Education

Students are required to maintain enrolment in IPHE 4900 (see calendar section on Health Professions, Interprofessional Health Education) for the duration of their studies. **Please register in IPHE 4900.00 (section 5).** Successful completion of this course is a requirement for graduation, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions. Students are asked to consult with their individual school/college to determine the specific guidelines and expectations regarding the required portfolio.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

PHAR 1060 Pharmacy Law and Health Care Ethics

CREDIT HOURS: 1.5

This problem-based learning course focuses on the provincial and federal laws that regulate the practice and profession of pharmacy, and key ethical principles and considerations for the pharmacist. Students will learn through a series of mini-cases based on real-life practice scenarios, with integrated ethical components. Students will be introduced to professionalism and the associated responsibilities of a pharmacist. This course introduces students to the legal and professional framework on which all pharmacists practice. Integrated courses in future classes will build on the law and ethics introduced in this course.

Coordinator: C. Connolly

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PHAR 1070X/Y Pharmacy Skills Lab I

CREDIT HOURS: 3

Skills Lab I provides an introduction to skills required by a practicing pharmacist. These include communication skills, pharmacy computer skills, prescription processing and compounding of select dosage forms.

Coordinator: L. Walker

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 1

PHAR 1080X/Y Community Experience Program

CREDIT HOURS: 0

This program consists of service learning at a health-related but non-pharmacy site such as the Canadian Cancer Society, CNIB, Special Olympics etc. The purpose is to augment developing communication skills, interpersonal skills, basic work ethics including the importance of teamwork, introduction to client needs and the professional helping ethic. An inter-professional health mentor experience is also part of this course. N. Harris

PHAR 2010X/Y Critical Appraisal Series I

CREDIT HOURS: 3

Students are introduced to a variety of drug/health information resources, including specific websites, texts, journals, bibliographic databases, and the Regional Drug Information Service. They gain experience in evaluating and using these resources efficiently and effectively through various activities including assignments. Second term focuses on the fundamentals of clinical research methodology, evaluating research papers, and biostatistics.

Coordinator: J. Isenor

FORMAT: Lecture

LECTURE HOURS PER WEEK: 2

PHAR 2015 Topical Products (Dermatologicals)

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Pharmacy 2015 deals with common dermatological problems seen by pharmacists and the management of these problems.

Coordinator: E. Black

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all first year classes

PHAR 2020 Topical Products (Eye and Ear)

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Pharmacy 2020 is devoted to common problems of the eye and ear, and include those of an infectious and non-infectious nature.

COORDINATOR: E. Black

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all first year classes

PHAR 2035 Respiratory Tract Complaints

CREDIT HOURS: 6

Students learn the medicinal chemistry, pharmaceuticals, biopharmaceuticals and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Pharmacy administration is also integrated. Pharmacy 2035 deals with common infectious and non-infectious respiratory complaints, treated with non-prescription and prescription medications.

COORDINATOR: E. Black

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all first year classes

PHAR 2040 Gastrointestinal Disorders

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceuticals, biopharmaceuticals and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Pharmacy 2040 focuses on gastrointestinal ailments, and their management. Topics include acid-pepsin disease, diarrhea, constipation, and inflammatory bowel disease and anemia.

COORDINATOR: E. Black

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Successful completion of all first year classes

PHAR 2045 Nutrition

CREDIT HOURS: 1.5

Students will learn about nutritional needs of healthy clients and special populations. The roles, the daily requirements and sources of various vitamins, and pathological consequences of dietary deficiencies will be addressed. Special nutritional challenges in pregnancy, infancy, elderly, and grave illness will be examined.

COORDINATOR: S. Mansour

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all first year classes

PHAR 2055 Drug Disposition

CREDIT HOURS: 1.5

The objective of this course is to provide students with an overview of the determinants of drug disposition, including a qualitative and quantitative assessment of drug absorption, distribution, metabolism and excretion. Major topics include hepatic and renal clearance, and factors which alter pharmacokinetics such as protein binding, disease states, age, enzyme induction/inhibition, drug interactions, and obesity, gender, and genetics.

COORDINATOR: K. Goralski

FORMAT: Lecture

PREREQUISITE: Successful completion of all first year classes

PHAR 2060 Medication Use Management

CREDIT HOURS: 1.5

This course introduces the pharmacy student to the "big picture" issues of the medication-use system. The three parts of the course are as follows: (1) an overview of the medication-use system, (2) discussion of the problems with the medication-use system and (3) exploration of potential solutions to these problems.

COORDINATOR: A. Murphy

FORMAT: Lecture

PREREQUISITE: Successful completion of all first year pharmacy

PHAR 2070X/Y Pharmacy Skills Lab II

CREDIT HOURS: 3

Skills Lab II expands upon the skills earned in Skills Lab I. Students are introduced to the Dalhousie College of Pharmacy Pharmacist's Patient Care Process. Written and verbal communication skills and patient assessment techniques are taught to support this process. Students learn to identify drug therapy problems and develop therapeutic management and monitoring plans. Knowledge obtained in the Problem Based Learning (PBL) and Critical Appraisal Series (CAS) components of the program are applied. Students will examine social, ethical and professional practice issues. Successful completion of a cardiopulmonary resuscitation (CPR) level HCP and standard first aid course is a requirement for a passing grade.

COORDINATOR: N. Kennie-Kaulbach

FORMAT: Lecture| Lab

PREREQUISITE: Successful completion of all first year classes

PHAR 2081 Practice Experience Program (PEP) I

CREDIT HOURS: 3

This rotation provides students with an opportunity to see patient centered pharmacy care in a hospital practice setting. Specific units focus on drug information, hospital pharmacy services provided as part of the healthcare team, sterile procedures and IV admixtures, medication safety, and interprofessional education opportunities. Students are required to travel to sites outside the Halifax area and are responsible for all associated costs.

COORDINATOR: H. Davies

PREREQUISITE: Successful completion of second year classes (see College of Pharmacy Regulation F2)

PHAR 2082 Practice Experience Program (PEP) II

CREDIT HOURS: 3

This rotation provides students with an opportunity to participate in patient care in a community pharmacy setting. Pharmacy law, narcotics and controlled drugs, third party insurers, processing prescriptions, provincial formularies, drug information and systems management are key areas of this rotation. This rotation provides students with an opportunity to participate in patient care in a community pharmacy setting. Students are required to travel to sites outside the Halifax area and are responsible for all associated costs.

COORDINATOR: H. Davies

PREREQUISITE: Successful completion of second year classes (see College of Pharmacy Regulation F2)

PHAR 3010X/Y Critical Appraisal Series II

CREDIT HOURS: 3

This course advances and reinforces the topics learned in PHAR 2010.03. The first term focuses on research methods and biostatistics seen in various trial designs. Students learn to critically evaluate the medical literature and write a term paper reviewing the evidence behind a clinical decision. The second term will focus on applying the tenets of evidence-based clinical practice. Through a journal club setting, students will evaluate the strengths and weaknesses seen in the literature as they relate to a clinical situation. Students are expected to use these skills in their problem-based learning classes.

COORDINATOR: D. Gardner

FORMAT: Lecture

PREREQUISITE: PHAR 2010.03 or consent of instructor

PHAR 3020 Women's Health Issues

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. PHAR 3020.03 deals with common women's health issues such as contraception, osteoporosis and menopause and the management of these problems.

COORDINATOR: H. Deal

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all second year classes

PHAR 3030 Infectious Diseases

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. PHAR 3030.03 is devoted to miscellaneous infectious diseases.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 5

PREREQUISITE: Successful completion of all second year classes

PHAR 3040 Cardiovascular Diseases

CREDIT HOURS: 6

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. PHAR 3040.06 addresses cardiovascular diseases such as hypertension, ischemic heart disease, congestive heart failure and thromboembolism, and the pharmacologic management of these conditions.

COORDINATOR: H. Deal

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all second year classes

PHAR 3050 Pain and Rheumatology

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. PHAR 3050.03 deals with the understanding and management of acute and chronic pain of various origins.

COORDINATOR: H. Deal

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all second year classes

PHAR 3055 CNS and Behavioral Disorders

CREDIT HOURS: 6

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. PHAR 3055.06 involves the study of an array of conditions ranging from depression to seizure disorders.

COORDINATOR: H. Deal

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all second year classes

PHAR 3060 Endocrine Disorders

CREDIT HOURS: 3

Students learn the medicinal chemistry, pharmaceutics, biopharmaceutics and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Disorder included in PHAR 3060.03 are diabetes and thyroid conditions.

COORDINATOR: H. Deal

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all second year classes

PHAR 3070X/Y Pharmacy Skills Lab III

CREDIT HOURS: 3

Skills Lab III expands on the concepts learned in skills lab I and II. An added emphasis will be placed on written communication skills and prescription therapeutics as covered in the PBL curriculum. Students are expected to use Knowledge from CAS for the purposes of therapeutic-decision making and patient education. Lectures and device training will compliment the PBL curriculum. Standardized patients will be used for teaching purposes as well as for the final objective structured clinical exam.

COORDINATOR: K. Sponagle

FORMAT: Lecture| Lab| Seminar

PREREQUISITE: Successful completion of all second year classes

PHAR 3080X/Y Practice Experience Program (PEP) III

CREDIT HOURS: 3

This rotation focuses on the practical implementation of patient centered pharmacy care in community practice. Students will complete a variety of patient care work-

ups. Provision of drug information, prescription and non-prescription medications, patient education and health promotion are integral components of this rotation. Students are required to travel to sites outside the Halifax area and are responsible for all associated costs.

COORDINATOR: H. Davies

PREREQUISITE: Successful completion of third year classes (see College of Pharmacy Regulations F2)

PHAR 4010 Critical Appraisal Series III

CREDIT HOURS: 1.5

This is a continuation of PHAR 3010.03. Students will combine their skills from the previous courses in this series as well as knowledge and skills derived from their problem-based learning curriculum and skills lab courses in a variety of tasks over the term. The ability to follow an evidence-based approach for supporting clinical decisions will be emphasized.

COORDINATOR: D. Gardner

FORMAT: Lecture

PREREQUISITE: Successful completion of all third year classes

PHAR 4025X/Y Pathocytologic Disorders

CREDIT HOURS: 6

Students learn the medicinal chemistry, pharmaceuticals, biopharmaceuticals and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. This course deals with the pharmacotherapy of common cancers and includes issues such as pain control.

COORDINATOR: TBA

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all third year classes

PHAR 4035 Disorder of the Liver and Genitourinary Systems

CREDIT HOURS: 6

Students learn the medicinal chemistry, pharmaceuticals, biopharmaceuticals and pharmacokinetics, and pharmacology, as well as the pathophysiology and pharmacotherapeutic principles pertaining to the problems and products discussed. Pharmacy administration is also integrated. This course deals with hepatitis, various other liver disorders, renal disease and men's health issues related to the genitourinary tract.

COORDINATOR: TBA

FORMAT: Lecture| Tutorial

PREREQUISITE: Successful completion of all third year classes

PHAR 4060 Advanced Patient Health Management

CREDIT HOURS: 3

Three major areas of patient health management will be discussed in this class: (1) the Canadian healthcare system and pharmacy benefit management; (2) pharmacoeconomics and formulary decision making; and (3) human resource management and leadership principles and practices in pharmacy.

COORDINATOR: A. Murphy

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 6

PREREQUISITE: Successful completion of third year pharmacy.

PHAR 4070 Pharmacy Skills Lab IV

CREDIT HOURS: 1.5

Skill Lab IV expands upon the skills learned in Skills Lab I, II and III. Students must apply the knowledge learned in other components of the curriculum and specific activities include but are not limited to: patient interviewing, assessment and education. Standardized patients will be used for teaching purposes as well as for the final objective structured clinical exam. Injection Training is a required component of Skills Lab IV.

COORDINATOR: H. Deal

FORMAT: Lecture| Lab| Seminar

PREREQUISITE: Successful completion of all third year classes

PHAR 4080 Practice Experience Program (PEP) IV

CREDIT HOURS: 4.5

This clinical rotation focuses primarily on the provision of patient focused pharmacy care in hospital or long-term care practice. The student will apply the knowledge, skills and values that have been learned in their academic study and previous PEP rotations, using a patient-centered approach. Students will serve as a member of the healthcare team incorporating professionalism, ethical principles, drug information, patient education and health promotion in the application of patient focused pharmacy care. Students will be required to complete a full patient care work-up on several patients and present the cases to a health professional audience. Students will expand their educational role by preparing and presenting an in-service on a relevant topic to a health professional audience. Students are required to travel to sites outside the Halifax area and are responsible for all associated costs.

COORDINATOR: H. Davies

PREREQUISITE: successful completion of fourth year classes (see College of Pharmacy Regulation F2)

PHAR 4085 Practice Experience Program (PEP) V

CREDIT HOURS: 4.5

This clinical rotation focuses primarily on the practical provision of patient centered pharmacy care in community practice. As with the hospital rotation, students will apply the knowledge, skills and values that have been acquired throughout academic study and previous PEP rotations using a patient-centered approach. Interaction with family physicians and other healthcare professionals in the community is a key component of this rotation. Students should have the opportunity to interact with patients in the physician's office, pharmacy and/or home environment. Students will serve as a member of the healthcare team and incorporate professionalism, ethical principles, drug information, patient education and health promotion in the application of patient focused pharmacy care. Students will be required to complete full patient care work-ups on several patients and present the cases to a health professional audience. Students will expand their educational role by preparing and presenting a relevant health promotion/disease prevention topic to a community audience. Students are required to travel to sites outside the Halifax area and are responsible for all associated costs.

COORDINATOR: H. Davies

PREREQUISITE: Successful completion of fourth year classes (see College of Pharmacy Regulation F2)

Social Work

School of Social Work

Location:

Building/Room: Mona Campbell Building

Street Address 1: 1459 LeMarchant Street

Street Address 2: Suite 3201

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3760

Fax: (902) 494-6709

Website: www.socialwork.dal.ca

Email Address: social.work@dal.ca

Introduction

The School of Social Work's vision is a commitment to building a socially just society, defined as one that upholds and validates the values of equality, diversity, inclusiveness, democracy and concern for human welfare. We manifest and advance curricula, scholarship and school culture that are congruent with those values.

The BSW degree program is accredited by the Canadian Association for Social Work Education. It embraces a critical and anti-oppressive approach to social work practice that includes an emphasis on social policy, research skills and critical analysis, professional values, theoretical perspectives and practice methods. While the program has evolved within the context of the people, communities and service network of the Maritime Provinces, graduates are qualified to practice social work throughout Canada and beyond.

BSW Delivery Options

The BSW is a 20 credit degree program and is offered on campus and by distance delivery online. Both delivery methods include field placement experience. The application deadline is February 15th of each year.

Relationship to the MSW Program

The School of Social work offers a Master of Social Work degree for advanced specialized study in social work practice. The academic prerequisite for the MSW degree is a BSW or a Master's degree in a related field of study.

Continuing Education

The School offers a Continuing Education Program (non-credit) of thematic workshops.

Nova Scotia Association of Social Workers

Provincial legislation requires that only persons who are registered with the Nova Scotia Association of Social Workers (NSASW) can practice as social workers within Nova Scotia. To become fully registered and use the title of Social Worker after award of the BSW degree, at least 3,858 hours of paid supervised social work experience is necessary.

Staff

Director of the School

MacDonald, J. (Interim)

Associate Director

Campbell, C.

Undergraduate Coordinator

Brown, M.

Professor Emeritus

Wein, F. C., BA (Queen's), MA, PhD (Cornell)

Professors

Karabanow, J., BA, MA (McGill), PhD (Wilfrid Laurier)
Thomas Bernard, W., BA (MSVU), MSW (Dalhousie), PhD (Sheffield)
Ungar, M., BA, BSW, MSW (McGill), PhD (Wilfrid Laurier)

Associate Professors

Brown, C., BA, MA (Manitoba), MSW (Carleton), PhD (U of T)
Brown, M., BA, BSW, MSW (Dalhousie), PhD (MUN)
Campbell, C., BSc (King's), BEd, (Acadia), MSW (Carleton), PhD (MUN)
MacDonald, J., BSW (St. Thomas), MSW (Carleton), PhD (MUN)
Richard, B. K., BA (M.A.), MSW (Dalhousie)

Assistant Professors

Baikie, G., BSW, MSW, PhD candidate (MUN)
Hanrahan, C., BA (McGill), MS, PhD (U of Toronto)
MacDonald, N., BA, BSW, MSW (Dalhousie), PhD Candidate (Dal)
Ross, N., BA, BSW, MSW, PhD candidate (Dalhousie)
Turner, L., BSW (Dalhousie), MSW (Moncton), MEd (New Brunswick), PhD (MUN)
Weinberg, M., BA (U of T), MSW (Smith College), PhD (U of T)

Adjunct Professors

Campbell, S.
Doiron, N.
Gilroy, J.
Harbison, J.
Liebenberg, L.
Wien, F.

Instructors

Kondrashov, O., BA (Lviv National Polytechnic U), BSW (U Manitoba), MEd (Lviv National Polytechnic U), MSW, PhD candidate (U Manitoba)
Mucina, M., BA (U of Victoria), MSW (U of Toronto), PhD candidate (U of Toronto)

Agency Field Instructors

Many individuals throughout the municipality, province, and country contribute to the education of Social Work students through offering and supervising student placements. They represent a wide range of agencies and organizations including: community based, non-profit, government, physical/mental health and addiction prevention and treatment services. Their invaluable assistance is gratefully acknowledged and appreciated.

Admissions

Information on academic preparation, admission and application procedures is contained in the Admission Requirements section of the calendar. Enrolment is limited to a specified number of places that are offered once a year to the best qualified candidates, selected by the School's Admissions Committee. Equal consideration is given to part-time and full-time applications.

Prior Criminal Conviction

BSW applicants should be aware that a prior criminal conviction may render them unable to obtain a license in their field of study upon graduation, or unable to participate in some clinical field work experiences throughout their course of study.

Affirmative Action

The School of Social Work has an affirmative action policy for applicants who are Acadian, Aboriginal, African Canadian, members of other racially visible groups, and persons with (dis)Abilities. The school is committed to admitting and graduating the highest possible number of students who qualify under this policy. Members of these groups who have five general (non social work) university credits that average B- are encouraged to apply under this policy. Applicants may self identify in a place provided on the Social Work Statement cover sheet, which is part of the BSW application package. Each candidate is considered individually on the basis of her/his qualifications, rather than in relation to other applicants. The admissions prerequisites and selection criteria are otherwise the same for all candidates.

BSW Degree Program Program Objectives

Upon successful completion of the BSW program, students will:

1. Have an understanding of equity and justice through critical analysis.
2. Develop intellectual skills, scholarly attributes, and professional characteristics and values, including but not limited to, curiosity, open-mindedness, effective communications, judgment, rigor, respect, humility, embracing of difference, acceptance, integrity, compassion, self-care and ethical action.
3. Develop insight into the complex, contextual, and sometimes contradictory nature of social work theory, practice, policy, ethics and research.
4. The development of practice theory and skills “required to analyze situations, establish accountable relationships, intervene appropriately with clients and related systems and evaluate one’s social work interventions” (CASWE, 2007) This includes an understanding of a range of life events and processes that may impact peoples’ development, personalities and potentials.
5. Develop a critical understanding of the personal and professional “use of self.”

Program Requirements

The five admission credits that form the basic BSW academic prerequisite reduces the 120 credit hours requirement to 90 credit hours for all students.

Required Courses

- SLWK 2010.03: Introduction to Community Social Work
- SLWK 2111.06: Development of Canadian Social Work and Social Welfare
- SLWK 2222.03: Advancing Social Justice
- SLWK 2333.06: Beginning Social Work Practice or SLWK 2334.03/SLWK 2335.03
- SLWK 2444.03: Life Processes: Conceptualizations and Practices for Critical Social Work
- SLWK 3030.06: Theoretical Foundations of Social Work Practice
- SLWK 3012.03: Perspectives on Social Welfare Policy
- SLWK 3083.03: Introduction to Research Methods and Statistics

- SLWK 3084.03: Understanding Research Methods in Social Work
- SLWK 3220.03: Cross-Cultural Issues in Social Work Practice
- SLWK 4010.06: Advanced Social Work Practice
- SLWK 4033.09: Field Practicum and Seminar or SLWK 4034.03/SLWK 4035.03
- Social Work Elective
- Social Work Elective

Distance students are required to take SLWK 2335.03, Beginning Social Work Practice which is the second half of SLWK 2334. The course is a combination of online study in the winter term with a two week on-campus (Dalhousie, Halifax, NS) residency component in the spring session, normally in early May.

Interprofessional Health Education

Students are required to maintain enrolment in IPHE 4900 (see calendar section on Health Professions, Interprofessional Health Education) for the duration of their studies. **Please register in IPHE 4900.00 (section 6).** Successful completion of this course is a requirement for graduation, and will be recognized further with the awarding of a special Certificate in Interprofessional Collaboration to be presented by the Faculty of Health Professions. Students are asked to consult with their individual school/college to determine the specific guidelines and expectations regarding the required portfolio.

Because of the nature of this course, registration in IPHE 4900 does not constitute a course overload.

Transfer Credit Policy

The 90 credit hours may be further reduced by the amount of transfer credits for which a student is eligible. Suitable university credits that have been completed with a cumulative average of 2.7 (or B-) are eligible for transfer credit consideration. The following procedures guide the assignment of transfer credit:

1. A maximum of 30 transfer credit hours can be awarded.
2. As a general rule, transfer credit is assigned first to Elective Courses and then to Required Courses within the BSW curriculum.
3. Transfer credit for university Social Work courses taken prior to a student's admission to the SSW may be assigned to required courses within the BSW curriculum. For this to occur students are required to submit the course outlines for these courses (calendar descriptions are not sufficient).
4. No matter where transfer credit is assigned, all students must complete at least 60 credit hours offered by the SSW to complete the BSW degree.
5. The only exception to the above will be students transferring from other BSW programs. Transfer credits for these students will be assigned following an individual file review of the student's previous course outlines to determine equivalency of content and credit value within the SSW curriculum. Transfer credit is assigned as fairly and appropriately as possible, although some loss of credit usually occurs. Students who transfer from other BSW degree programs are governed by the regulation that any student with a previous degree is required to complete a minimum of 36 credit hours under Dalhousie instruction, and that any student without a degree is required to complete a minimum of 45 credit hours under Dalhousie instruction.

Course Load and Sequencing

Length of Program

Most students accepted to the BSW program have a degree on entry with the required cumulative grade point average. Such students normally require 60 credit hours to complete the BSW degree. Students studying on campus may register on a full-time basis for two years of study, or on a part-time basis (to a maximum of ten years). Distance students may register for a two-year (24 month) full-time program of study, or a three-year part-time program of study (to a maximum of 10 years).

Students registered who have only 30 credit hours on entry (usually persons with related work experience) are required to complete three full-time years of study (90 credit hours) or the part-time equivalent.

Students registered with 36 credit hours or more on entry but less than 90 credit hours, complete a two-to-three year program as determined by the number of prior credits in relation to the School's transfer credit policy.

Course load and sequencing may vary from student to student depending upon the number of transfer credits and full or part-time status.

On-Campus Delivery

- For full-time students the usual load is 15 credit hours (i.e., five .03 credit courses) in the Fall and Winter terms.
- For part-time study the course load may be as minimal as one .03 credit course per term.
- The only Social Work courses offered in the Spring semester consist of one Social Work elective and Field Practicum and Seminar.
- It is important to pay close attention to the pre or co-requisites for each course. These are indicated in the course descriptions.

Distance Delivery

Distance Students are strongly encouraged to maintain their course sequencing schedule. Any changes must be in accordance with pre- and co-requisites as outlined in the calendar and are dependent upon availability of course offerings, especially electives. Students studying by distance will be assessed distance delivery fees in addition to tuition.

Registration

Registration is completed online for all students regardless of delivery method. For more information, go to <http://www.dal.ca/registration> and <http://www.dal.ca/online>.

The academic timetable is available online each year. On-campus Social Work courses have section numbers of 01 or 02. Online Distance Social Work courses have section numbers of 07 or 08, and a notation of “DR”.

IMPORTANT: Please note that it is not possible to transfer between onsite and the online delivery or to register for courses other than those which apply to the delivery method for which the student has been accepted.

Field Education

The Field Practicum and Seminar course consists of a 700 hour placement at a community agency plus participation in a concurrent integrated seminar. For a full explanation of the placement process, roles and responsibilities please download the Field Manual at http://socialwork.dal.ca/Prospective_Students/

Field Placements are organized by the Field Education Coordinator at the School of Social Work.

Advising Sessions for New Students

New on campus students are expected to attend Orientation which is scheduled prior to the commencement of courses. Students can meet individually with the Student Services Coordinator to review the curriculum advising forms and ask questions pertaining to the BSW program. Distance students are provided with an online orientation and information site and should contact the Distance Coordinator regarding their program schedule and questions.

Regulations

All Bachelor of Social Work students are required to observe the University and Academic Regulations of Dalhousie University and the Faculty of Health Professions set forth in the annual Undergraduate Calendar. The website location is <http://www.registrar.dal.ca> - Undergraduate Calendar - Academic Regulations, University Regulations.

Grade Point Average Requirements

Faculty of Health Professions' academic regulations applies to the BSW degree requirements. Students require a cumulative GPA of 2.0 to graduate. In addition, the School's grade requirements specified in Items 2 and 3 below apply to components of the Social Work curriculum.

Grade Requirements for Social Work Courses

The minimum requirements for satisfactory completion of a Social Work course is C-. In the case of a core course, a student who earns a grade of less than C-, but is otherwise still eligible to continue in the program, must repeat the course until a grade of C- is attained. In the case of an elective, a student who earns a grade of less than a C-, but is otherwise still eligible to continue in the program, must repeat the same elective or if not offered during the student's course of study, a different elective until a grade of at least C- is attained. Social Work courses are all courses taken under BSW study other than those designated as general admission credits.

Required Withdrawal: Academic Dismissal

A student who fails to meet sessional GPA standards as defined in the Academic Regulations - Faculty of Health Professions must withdraw from the School for at least 12 months. (Please refer to Academic Regulations - Good Standing, Probation and Academic Dismissal, Dalhousie Undergraduate Calendar).

- A student who fails a repeated academic course must normally withdraw from the BSW Program.
- A student who fails SLWK 4033, Field Practicum and Seminar is required to withdraw from the BSW Program.

Required Withdrawal on Grounds of Unsuitability

See University Regulations: Suspension or Dismissal from a Program on the Grounds of Professional Unsuitability - Faculty of Health Professions.

Consideration of Readmission

Students are normally required to complete their undergraduate studies within ten years of their first registration and comply with the program requirements at the time of first registration. If a student is readmitted and cannot complete the program within 10 years they may be required to comply with the new program requirements.

5.a Request for Readmission After Dismissal

Students who have been required to withdraw from the School of Social Work on the basis of academic dismissal may apply for readmission by the annual February 15 admissions deadline date that follows a minimum of 12 month's absence from the School. Due to the competitive nature of the enrolment process, readmission of students is not guaranteed.

5.b Request for Readmission After Voluntary Withdrawal

Students in good standing who have not registered in the program for 36 months or less and who wish to be reinstated are required to submit a new application form to be returned with a letter to the Undergraduate Program Coordinator requesting re-admission to resume their BSW degree studies. Students in good standing who have not registered in the program for 37 months or more and who wish to be reinstated are required to reapply by the February 15 admission deadline date. The application and all supporting documentation must be accompanied by a letter explaining the reasons for the interruption in the student's studies and the decision to request readmission to the BSW degree program.

Appeals

A student wishing to appeal a decision based on School regulations, should consult with the Chair of the Committee on Undergraduate Studies for advice on appeal procedures.

Duration of Undergraduate Study

Students are normally required to complete the BSW degree within 10 years of their first registration (see Academic Regulation—Duration of Undergraduate Studies).

Workload Regular Academic Year

30 credit hours per academic year shall be regarded as constituting a normal workload for a full-time student. Permission of the Undergraduate Program Coordinator is required if this workload is to be exceeded, or if the planned workload in any one term (Fall or Winter) would amount to more than 15 credit hours per term.

On-campus, part-time students may register for a minimum of one .03 credit (three credit hours) per term. Part-time status applies to students registered for no more than a total of 2.5 credits (15 credit hours) in the Fall and/or Winter terms. All new students are required to register in the first Fall term following their acceptance in order to maintain their place in the program.

Workload Summer Session (includes May-June and July-August)

Dalhousie regulations permit students to take six credit hours in each of the May-June and July-August parts of Summer term. Social Work students may, following consultation with the Field Coordinator, register for the Field Practicum and Seminar course during this session.

The School usually offers one .03 credit Social work course in the May/June period for BSW campus students, provided that minimum enrollment requirements are met. Students in distance delivery take their elective courses in the summer sessions. Consult the timetable for current course offerings.

Permission of the Undergraduate Program coordinator is required to exceed the two-credit limit for the two summer terms.

Students in Other Degree Programs (applicable for on-campus students only)

Students enrolled in degree programs at Dalhousie may, in conformance with their program regulations, choose their degree electives from Social Work Field of Practice electives. Permission from the instructor is required; course prerequisites and class size limitations apply. Students are able to enroll in Social Work electives

only to the maximum credit value allowable for open electives by their degree requirements. Any additional Social Work courses would be considered on the same basis as “No Degree.”

Special Students “Non-Degree” (applicable for on-campus students only)

Social Work courses are not available to persons on a “no degree” basis, with the exception of agency field instructors and other qualified Social Work professionals who are able to satisfy normal admission requirements. Permission of the Undergraduate Coordinator is also required.

Students enrolled in other Social Work degree programs may be permitted to enroll in specific courses, by application for admission as a visiting student with letter(s) of permission from the home university. Course prerequisites and size limitations apply. Further information may be obtained from the Student Services Coordinator.

Deferral Policy

Newly accepted applicants who, for reasons beyond their control, are unable to take up their position on the date from which they were accepted, may request a deferral of one, two, or three terms. No student may receive more than one deferral.

Requests for a deferral of admission should be sent in writing to the Admissions Coordinator of the School of Social Work by August 15th for the year in which they were offered admission. When submitting a request for deferral, an applicant should clearly state the reason for their deferral and, where relevant or appropriate, provide additional documentation to support the request (for example, medical certificates). All deferrals are subject to the approval of the Undergraduate Program Coordinator.

Audit by Agency Field Instructors

The School of Social Work permits Agency Field Instructors to audit Social Work courses. Prior permission of the instructor concerned is required. In order for the audit to show on a University transcript, the agency field instructor must abide by the audit and fee regulations as outlined in Academic Regulation—Audit of Courses.

Tuition Fees

Detailed information concerning tuition and fees is available in the Fees section as well as <http://www.dal.ca/studentaccounts>.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year’s offering. For further information please contact the department.

The following courses are restricted to Social Work students.

SLWK 2010.03: Introduction to Community Social Work.
SLWK 2111X/Y.06: Development of Canadian Social Work and Social Welfare.
SLWK 2222.03: Advancing Social Justice.
SLWK 2333X/Y.06 (SLWK 2334/SLWK 2335): Beginning Social Work Practice.
SLWK 2444.03: Life Processes: Conceptualizations and practices for Critical Social Work.
SLWK 3012.03: Perspectives on Social Welfare Policy.
SLWK 3030.06: Theoretical Foundations of Social Work Practice.
SLWK 3083.03: Introduction to Research Methods and Statistics in Social Work.
SLWK 3084.03: Understanding Research and Research Methods in Social Work.
SLWK 3220.03: Cross-Cultural Issues and Social Work Practice.
SLWK 4010.06: Advanced Social Work Practice.
SLWK 4033.09 (SLWK 4034/SLWK 4035): Field Practicum and Seminar.

Electives

In keeping with the overall program goals of the BSW program of SSW, all elective courses are designed to help students develop a critical analysis of the major themes and current issues related to the course topic. In addition, all electives explore the differential impact of social constructs such as race, gender, class, age, sexual orientation, and ability on the particular issue or practice field.

There are no pre or co-requisites for Social Work Field of Practice Electives. The format is generally a combination of lecture, discussions and small group activities. Participation of non-social work students is dependent upon approval of their home School/Department, course enrollment and the permission of the instructor. Not all electives are offered every year; check the timetable for each year's offerings.

Possible Elective Offerings

- SLWK 3110.03: Africentric Perspectives in Social Work
- SLWK 3120.03: International Social Work
- SLWK 3130.03: Women and Violence
- SLWK 3135.03: Social Work and Mental Health
- SLWK 3140.03: Crisis Counseling
- SLWK 3150.03: Poverty and Inequality
- SLWK 3160.03: Social Work with Aboriginal Populations
- SLWK 3200.03: Law and Social Work
- SLWK 3245.03: Queer-Centred Social Work Practice
- SLWK 3250.03: Social Work in Corrections
- SLWK 3270.03: Social Work in Addictions
- SLWK 3290.03: Advanced Counseling in Social Work Practice
- SLWK 3320.03: Social Work and Aging
- SLWK 3330.03: Independent Study
- SLWK 3350.03: Social Work with Groups
- SLWK 3360.03: Social Work and Adolescents
- SLWK 3370.03: Child Welfare
- SLWK 4380.03: Disability Policy and Service

Course Descriptions

SLWK 2010 Introduction to Community Social Work

CREDIT HOURS: 3

Community Development within social work is the facilitation of meaningful change within communities to improve the quality of life for members of those communities. This course considers various conceptions of community, elements of change processes, and specific change strategies.

SLWK 2111X/Y Development of Canadian Social Work and Social Welfare

CREDIT HOURS: 6

This course is delivered online for campus students. This is an introductory survey course, offering a beginning examination of topics and issues that will be examined in greater depth in other courses during the BSW program. By reviewing the historical development of the politics, principles, policies, practices, values, and ethics of Canadian social work and social welfare students appreciate the contextual, complex, and sometimes contradictory nature of the social work profession.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

SLWK 2222 Advancing Social Justice

CREDIT HOURS: 3

This course introduces students to the central concepts of a social justice perspective through a deconstruction and reconstruction of various assumptions, practices, and positionalities that advance and/or impede social justice. Rooted in processes of critically reflective analysis this course attends to cognitive, affective, and spiritual learning processes.

SLWK 2333X/Y Beginning Social Work Practice

CREDIT HOURS: 6

This course introduces students to the processes and practices of the social work profession including a range of beginning practice skills, social work values and ethics, the varied contexts of social work practice, and the roles and responsibilities of professional social workers. This multi-faceted course may include course room instruction, simulations, seminars, workshops, contact with practicing social workers, visits to various social service agencies, and exposure to "first voice" experiences. This course requires 40 hours of self-directed learning activity time to be completed outside regularly scheduled class time.

NOTE: Course Details listed here also apply to SLWK 2334/SLWK 2335.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: /Co-requisite: SLWK 2111, SLWK 2222

SLWK 2334 Beginning Social Work Practice

CREDIT HOURS: 3
See SLWK 2333.

SLWK 2335 Beginning Social Work Practice

CREDIT HOURS: 3
See SLWK 2333.

SLWK 2444 Life Processes: Conceptualizations and practices for Critical Social Work

CREDIT HOURS: 3

This course critically explores a range of life events and processes that may impact peoples' development, personalities and potentials. Attention is given to how ethnicity, race, social class, ability, gender, sexual orientation, age, religion, and other social variables intersect with the individual development. The need for differential reactions from workers in response to clients varied life experiences will also be considered.

PREREQUISITE: /Co-requisite: SLWK 2111, SLWK 2222

SLWK 3012 Perspectives on Social Welfare Policy

CREDIT HOURS: 3

As an introduction to social policy analysis, this course surveys a variety of perspectives on social problems and social policy issues, with a focus on contemporary debates. The impact of policy on service users is a central theme of the course.

PREREQUISITE: /Co-requisite: SLWK 2111, SLWK 2222

SLWK 3030X/Y Theoretical Foundations of Social Work Practice

CREDIT HOURS: 6

The central theme of this course is the integration of theory and practice, recognizing that theory guides practice and practice informs theory. The first term consists of the theoretical foundations of social work, understanding their relation to social work practice from social, political, economic and historical positions. The second term offers an in depth examination of the theoretical foundations of a variety of critical perspectives. Case applications are explored from a variety of practice situations and problem definitions.

PREREQUISITE: /Co-requisite: SLWK 2111, SLWK 2222

SLWK 3083 Introduction to Research Methods and Statistics in Social Work

CREDIT HOURS: 3

This course provides an introduction to both quantitative and qualitative research methods, with particular attention to examples from social work research. Students become familiar with the whole of the research process from the identification of the problem to the presentation of results, including the application of statistics. Students will be exposed to the full range of alternative research designs, including both quantitative and qualitative research methods.

SLWK 3084 Understanding Research and Research Methods in Social Work

CREDIT HOURS: 3

This course provides students with the research methods required to evaluate social work practice at the case and program level. Students will learn how to evaluate organizations, casework, plan evaluations, and analyze quantitative and qualitative approaches to evaluations. Emphasis will be placed on evaluating benefits and outcomes of interventions for clients.

PREREQUISITE: SLWK 3083.03 is required

SLWK 3220 Cross-Cultural Issues and Social Work Practice

CREDIT HOURS: 3

This course provides an opportunity to critically examine theoretical frameworks for viewing marginalized racial, ethnic and cultural groups in society, to examine personal values as they relate to the above groups, to develop skills in working effectively with these groups, and to understand related social policies.

PREREQUISITE: SLWK 2222, SLWK 2111, SLWK 2333, SLWK 3012

SLWK 4010X/Y Advanced Social Work Practice

CREDIT HOURS: 6

Building on a number of preceding courses this course considers numerous advanced practice theories and skills including a critical analysis of ethics. Student will become proficient in applying a critical social work practice framework at the beginning practitioners' level.

COREQUISITE: SLWK 3030

PREREQUISITE: SLWK 2111, SLWK 2222, SLWK 2333, SLWK 2444

SLWK 4033X/Y Field Practicum and Seminar

CREDIT HOURS: 9

This course includes a 700 hour agency based practice placement, integrated seminars and the opportunity to develop a broad range of practice knowledge and skills sufficient to meet the requirements of an entry level professional position. The field practicum is done at the end of a student's program. Students are responsible to stay in touch with the Field Coordinator during the coordination process and comply with various requirements of placement sites (for example: immunizations, CRC, Child Abuse Registry). Some sites may require separate disability insurance in lieu of eligibility for Worker Compensation Coverage. Such costs are the responsibility of the student.

NOTE: Course Details listed here also apply to SLWK 4034/SLWK 4035.

COREQUISITE: SLWK 3030.03, SLWK 4010.03

PREREQUISITE: SLWK 2111.03, SLWK 2222.03, SLWK 2333.03, SLWK 2444.03

SLWK 4034 Field Practicum & Seminar

CREDIT HOURS: 4.5

See SLWK 4033.

SLWK 4035 Field Practicum & Seminar

CREDIT HOURS: 4.5

See SLWK 4033.

Faculty of Management

Location:

Building/Room: Kenneth C. Rowe Management Building

Street Address 1: 6100 University Avenue

Street Address 2: 3rd Floor

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2582

Fax: (902) 494-1195

Website: management.dal.ca

Email Address:

Introduction

The Faculty of Management includes four schools - Rowe School of Business, School of Information Management, School of Public Administration, and School for Resource and Environmental Studies. The Faculty has two undergraduate program options - BComm (co-op) in the Rowe School of Business and BMgmt offered jointly by the four schools. The Commerce degree has a mandatory co-operative education format.

Students wishing to enrol in programs offered by the Faculty should address themselves directly to the Schools concerned for further information or for help in planning courses of study; for the Undergraduate Programs, contact the Undergraduate Academic Advising Office at (902) 494-3710.

Staff

Dean

Cunningham, P., BA (Queen's), MBA (Calgary), PhD (Texas A&M)

Telephone: 902 494-7487

Directors

Rowe School of Business

Hebb, G., BA (McGill), MBA (Queen's), PhD (Texas A&M)

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School of Information Management

Spiteri, L., BA, MA (York), BEd (Toronto), MLIS (Western), PhD (Toronto)

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School of Public Administration

Quigley, K., BA (Queen's), MSc (London School of Economics), PhD (Queen's University Belfast)

Telephone: 902 494-3782

School for Resource and Environmental Studies

Tyedmers, P. H., BSc (Waterloo), LLB, PhD (UBC)

Telephone: 902 494-6517

Entrepreneurial Skills Program

Location:

Building/Room: Kenneth C. Rowe Management Building

Street Address 1:

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-6975

Fax:

Website:

Email Address: Entrepreneurship@dal.ca

Introduction

Dalhousie's Norman Newman Centre for Entrepreneurship, in collaboration with the Centre for Entrepreneurship Education and Development (CEED), offers a Certificate Program in entrepreneurship – the Entrepreneurial Skills Program (ESP), which is open to all Dalhousie University students.

ESP facilitates the development, growth and success of student-run ventures. Through extracurricular, individualized, experiential learning, you will apply skills learned in the classroom to your own ventures. Students participating in the program develop personal portfolios that illustrate their entrepreneurial capabilities. At Dalhousie there is a particular emphasis on ventures that address larger societal needs in the area of sustainability and social responsibility.

What is the Entrepreneurial Skills Program (ESP)?

The program is designed to be taken over the length of your time as a student at Dalhousie and therefore shouldn't extend time to degree completion. Successful students will earn a certificate in entrepreneurship in addition to their associated Dalhousie University academic degree in their field of study. The program culminates in the development of a personal portfolio that illustrates a student's entrepreneurial capabilities which is then presented to an accreditation panel. Upon successful completion of ESP, students are accredited and receive a certificate indicating venture readiness.

How do I know if ESP is for me?

Like most things, you probably won't know till you know. What we can say is that ESP typically appeals to those students who have an interest in being the masters of their own destiny. If you've got an idea for a business that you want to start, either during University or after graduation, then you owe it to yourself to get involved with ESP.

What's in it for me? Why would I want to be part of ESP?

Being part of ESP introduces you to a network of like-minded individuals. It's no surprise that successful people surround themselves with talented, energetic and visionary people. If you want to learn more about being in business for yourself, or if you want to get better at being an entrepreneur, then ESP is a good start.

By enrolling in ESP, you become part of a growing cohort of students that are interested in making a difference in their own lives and the lives of others. Aside from networking and peer-to-peer learning opportunities, you will also have access to training subsidies, business coaching, and skills development opportunities that you can leverage to make yourself a better business owner (or make yourself more marketable as an employee). If you participate in Dr. Leach's classes you may be able to pursue your venturing interests while at the same time fulfilling some of the class assignment requirements.

If I sign up, how big a commitment are we talking about?

Students enrolled in ESP are free to choose their degree of involvement. Many students become heavily involved, attending most, if not all, ESP-sponsored events. Others attend a limited number of events. ESP is flexible enough to accommodate you and your personal, academic and professional schedules.

Is Dalhousie the only University that offers ESP?

No. Mount Saint Vincent University also has an active ESP program. On occasion, Dalhousie and MSVU partner to run ESP-sponsored events that are attended by students from both Universities.

ESP sounds like a lot of work – what if it gets too much for me?

Involvement in ESP is entirely optional. You are free to leave the program at any point. Unlike most academic programs, there's no downside risks (mark-related/academic) associated with dropping ESP.

Staff

Director and Program Co-ordinator

Dr. Ed Leach

Norman Newman Centre for Entrepreneurship
School of Business
Telephone: 902 494-1816
Fax: 902 494-1107
Email: ed.leach@dal.ca

Commerce

Commerce (Co-op)

Location:
Building/Room: Kenneth C. Rowe Management Building
Street Address 1: 6100 University Avenue
Street Address 2: Room 4110
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-7080
Fax: (902) 494-1107
Website: www.dal.ca/faculty/management/rsb.html
Email Address:

Introduction

The Rowe School of Business provides quality programs at both the undergraduate and master's levels that prepare students to contribute to and take leading positions in business and society. Graduates of the programs are competitive in the global, diverse and continually changing workplace. Teaching, scholarship and service link theory and practice to benefit students, the University and the business community in Canada and abroad.

Specific objectives are to:

- Attract, retain and educate students of high calibre from Nova Scotia, elsewhere in Canada and internationally.
- Develop students' knowledge of key concepts and issues in business operations, as well as in-depth knowledge within specialized business disciplines.
- Develop students' analytical and decision-making skills through a mix of theoretical and applied approaches including lectures, discussion groups, individual research projects, team projects and casework, as well as comprehensive field projects.
- Enhance students' team and communication skills, which are needed to succeed in careers and management.
- Develop knowledge through research and association with the academic and professional communities.
- Maintain strong ties with both the private and public sectors.

The Bachelor of Commerce Co-op program includes studies in the humanities and social sciences as well as in the functional areas of business. It is offered on a co-operative education (work/study) basis.

Staff

Academic Director

Tarrant, F., BN (MUN), MPA (Queen's), MBA (SMU), PhD (Capella University)

Program Manager

Hunter, C.

Academic Advisors

Haigh, K.
Laffin, D.
Tarry, J.

Director, Centre for International Trade and Transportation

Lynch, D.

Coordinator, International Student Exchange Program

Contact the Undergraduate Advising Office for information uao@dal.ca

Director, Management Career Services

Cranston, A.

Management Career Services Professional Staff

Bauld, L.
Coombs, J.
Dai-Gammon, A.
Howard, A.
Kelly, S.
Mackenzie, J.
McKay, A.
McLellan, A.
Perry, J.
Richard, D.
Tracey, K.
Wooden, R.

Professors Emeriti

Brooks, M. R., BOT (McGill), MBA (Dalhousie), PhD (Wales)
Duffy, J. F., BS, NS, PhD (Iowa State)
George, R. E., BSc (London), MA (Bristol), PhD (London)
MacLean, L. C., BA, BEd (St. FX), MA, PhD (Dalhousie) Chairholder - Herbert S. Lam Chair in Business Education
McNiven, J. D., BA, MA, PhD (Michigan)
Rosson, P. J., DipNS (Salford), MA (Lancaster), PhD (Bath)

Professors

Barker, J., BA (UCA), MA (Purdue), PhD (Colorado) Chairholder Herbert S. Lamb Chair in Business Education
Chowdhury, S., BComm, MComm (Dhaka), MBA, PhD (Kentucky)
Conrod, J. E. D., BComm (Dalhousie), MBA (Toronto), FCA
Cunningham, P., BA (Queen's), MBA (Calgary), PhD (Texas A & M) Chairholder - R. A. Jodrey Chair in Commerce
Fooladi, I., BSc (Iran), MA (Tehran), MS, PhD (Oregon) Chairholder - Douglas C. Mackay Chair in Finance
Gassmann, H. I., Vordiplom (Stuttgart), MS (Oregon State), PhD (UBC)

Hebb, G., BA (McGill), MBA (Queen's), MA (Dalhousie), PhD (Texas A&M)
McLarney, C., BComm, MBA (Windsor), PhD (York)
Sheehan, L., BSc (Alberta), MEdes, MBA, PhD (Calgary)
Stuewe, D., BA (Dalhousie), MA (Carleton), PhD (Exeter)
Zhao, Y., BSc (Anhui), MSc (Kentucky), PhD (UBC)

Associate Professors

Beaubien, L., BSc, BA (Dalhousie), MBA (Saint Mary's), PhD (Western)
Bliemel, M., BSc (Queen's), MMS (Carleton), PhD (McMaster)
Blunden, R. G., BComm (Dalhousie), MM (Northwestern), PhD (Western)
Carvalho, S., BBA (Fortaleza), MBA (Northeastern), PhD (CUNY)
Chen, J., BSc, MSc (Beijing), PhD (Western)
Dawkins, C. E., BS, MA, PhD (Ohio)
Kelley, E., BA MBA (Saint Mary's), MLS (Toronto), PhD (Saint Mary's)
Klapstein, R. E., BSc (Calgary), BA (Alberta), MBA, LLB (Dalhousie), LLM (Osgoode Hall), CMA
Lynch, D., BS (Fairleigh Dickinson), MPA (Colorado), PhD (Arkansas)
Nason, R., CFA, BSc, (McMurry), MSc (Pittsburgh), PhD (Western)
Ng, E., BComm (UBC), MBA (Simon Fraser), PhD (McMaster), Chairholder - F. C. Manning Chair in Economics and Business
Pacurar, M., BA (Babes Bolyai, Romania), MBA (Nantes), PhD (HEC Montreal)
Sawicki, J., BS (UIC), MM (UCL), MBA (Chicago), PhD (Queensland), CPA
Sundararajan, B., BEng (Mangalore, India), MS Eng, PhD (Rensselaer Polytechnic)
Sy, O., DUES I&II (UCAD), BAA, MSc (HEC Montreal), PhD (McGill)
Trifts, V., BBA (UPEI), MBA (Saint Mary's), PhD (Alberta)
Ulku, M. A., BSc, MSc (Turkey), PhD (Waterloo)

Assistant Professors

Aghakhani, H., BSc, MSc (Iran), PhD (Manitoba)
Ali-Hassan, H., BE (AUB), MBA (McGill), PhD (York)
Baltazar, R., BSc (Ateneo de Manila), MA (Thunderbird), PhD (Saint Mary's)
Comber, S., BEDS (TUNS), MBA (Central Florida), MA, PhD (Fielding)
Deval, H., MA (ESC), MBA, PhD (Cincinnati)
Dossou-Yovo, A., BAsC (Ouagadougou, Burkina Faso), MBA (Senghor, Egypt), PhD (Quebec at Montreal)
Foster, M., BA, PhD (Dalhousie)
Gonzalez, P., BEng (Colombia), MASc (Waterloo), PhD (Queen's)
James, A., BA (Windsor), MBA, PhD (Alberta)
Jiang, F., BComm, BS (China), MBA, PhD (Western)
Kilfoil, M., BBA (St. FX), BA (Saint Mary's), MA (Carleton), PhD (Dalhousie)
Leach, E., BComm (Dalhousie), CMA (NS), MBA (Western)
Lin, S., BComm, MSc, PhD (Queen's)
Manderson, J., BA (PEI), MA (Dalhousie), PhD (Alberta)
Macdonald, L., BA (Northern Colorado), MA, PhD (Colorado)
Roach, D., BEng, MBA (Dalhousie)
Song, K., BBA (DUFE), MBA (Saint Mary's), PhD (York), CFA
Tarrant, F., BN (MUN), MPA (Queen's), MBA (Saint Mary's), PhD (Capella)
Usta, M., BS, MBA (Middle East Technical University), PhD (Alberta)
Zhang, J., BComm, PhD (Alberta)
Zhou, J., BA, BBA, MA (XJTU), MA (McGill), PhD (Toronto)

Lecturers

Baechler, J., BSc (Dalhousie), MA (Austria), PhD (In Progress)
Clory, N., BBA (St. FX), MBA (Dalhousie and Toronto)
Crowell, T., BComm, MBA (St. Mary's), CA
Cumming, L., BComm (Dalhousie), BA (Maine), CA (NS)
Cunningham, P., MMgt Science (Texas Central), BA (Hons) Economics and Commerce
Laing, S., BComm, DMA (Saint Mary's), CMA (NS), Cert. AEd (Dalhousie), CHRP (NS)
Power, J., BComm (Concordia), CA (Toronto)
Shaw, D., BA (Queen's), MBA (Edinburgh)
Wooden, K., BComm, MBA (Saint Mary's)

Bachelor of Commerce (Co-op) Program

The Rowe School of Business offers a four-year, Bachelor of Commerce (Co-operative Education) Program that is accredited by both the Association to Advance Collegiate Schools of Business (AACSB) and the Canadian Association for Co-operative Education (CAFCE). It is one of the few mandatory co-op business degree programs in Canada. Cooperative education is an academic strategy that integrates on-campus study with off-campus work experience. The schedule for the Bachelor of Commerce (Co-op) Program includes seven academic terms (AT) and three work terms (WT), as follows:

	Fall	Winter	Summer
Year 1	AT1	AT2	FREE
Year 2	AT3	WT1	AT4
Year 3	WT2	AT5	WT3
Year 4	AT6	AT7	

The co-op program in Commerce requires a broad and general range of studies, including required and elective courses provided by various Faculties within the university. The program also allows students to choose a major in a variety of special areas, and a minor in an area outside of the Faculty of Management. The Commerce (Co-op) program does not currently offer double majors.

The three work-terms each receive credit, but constitute a full work load. (See the Regulations section of this calendar for “overload” limits and conditions.)

Degree Requirements

- Four-year program - seven academic terms and three work-terms
- Total credit hours required - 120
- Required GPA for graduation 2.00

Note: A suitable replacement for MATH 1115.03 is MATH 1000.03

- Commerce electives - 24 credit hours
- Work-terms - 9 credit hours
- COMM 1010.03
- COMM 1101.03
- COMM 1502.03
- COMM 1710.03
- COMM 1720.03
- COMM 2102.03
- COMM 2202.03
- COMM 2203.03
- COMM 2303.03
- COMM 2310.03
- COMM 2401.03
- COMM 2501.03
- COMM 2502.03
- COMM 2603.03
- COMM 3501.03
- COMM 3511.03
- COMM 4351.03
- COMM 4352.03
- ECON 1101.03
- ECON 1102.03
- MATH 1115.03
- Non-commerce electives - 18 credit hours (of which 9 credit hours must be at or above the 2000 level) selected from all courses offered in the University other than Commerce, Management and Business.
- Free electives - 6 credit hours (can be Commerce or Management, at or above the 2000 level; or non-commerce at any level)

NOTE: Students readmitted to the Commerce program will be subject to the Academic Regulations as stated in the Calendar for the year of readmission. For further information, contact the Rowe School of Business, Undergraduate Advising Office, 6100 University Avenue, Suite 2086, (902) 494-3710. Email: uao@dal.ca

Program Guide

Students normally follow a fixed program of study, as outlined below:

Academic Term One

- COMM 1010.03: Business in a Global Context

- COMM 1101.03: Financial Accounting
- COMM 1502.03: Core Business Applications
- ECON 1101.03: Principles of Microeconomics
- One non-commerce elective

Academic Term Two

- COMM 1710.03: Business Communications I
- COMM 2102.03: Managerial Accounting
- ECON 1102.03: Principles of Macroeconomics
- MATH 1115.03: Mathematics for Commerce
- One non-commerce elective

Academic Term Three

- COMM 1720.03: Business Communications II
- COMM 2202.03: Finance 1
- COMM 2401.03: Intro to Marketing
- COMM 2501.03: Statistics
- One non-commerce elective

Work Term I - COMM 2801.03

Academic Term Four

- COMM 2203.03: Finance 2
- COMM 2303.03: Organizational Behaviour
- COMM 2310.03: Business Ethics and Corporate Social Responsibility (CSR)
- COMM 2502.03: Predictive Analytics
- COMM 2603.03: Legal Aspects of Business

Work Term II - COMM 3801.03

Academic Term Five

- COMM 3501.03: Operations Management
- COMM 3511.03: Management Information Systems
- Three commerce electives
- One non-commerce elective

Work Term III - COMM 3802.03

Academic Terms Six and Seven

- COMM 4351.03 and COMM 4352.03: Competitive Strategy & Strategic Mgmt
- Five commerce electives
- Two non-commerce electives
- Two free electives

During their fifth, sixth and seventh academic terms, students can either pursue a customized program of study, by choosing electives from a wide range of the functional areas of business, or they can follow a more specialized program, taking their elective courses towards a major.

Major in Accounting

Note: An average grade of B- must be obtained between COMM 1101.03 and COMM 2102.03 to major in Accounting.

Students **must** complete the following six courses:

- COMM 3105.03
- COMM 3111.03
- COMM 3114.03
- COMM 3116.03
- COMM 4101.03
- COMM 4125.03

Plus two of:

- COMM 3207.03
- COMM 4102.03 (recommended)
- COMM 4112.03
- COMM 4126.03 (recommended)
- COMM 4511.03

CPA Canada requires certain academic prerequisites for admission to the CPA certification program. That is, CPA candidates must complete an undergraduate degree and cover certain specific prerequisite subject areas. Appropriate courses can be taken in the Rowe School of Business, as part of the Accounting Major structure, in order to meet these requirements. Particulars can be obtained from the Chartered Professional Accountants Canada website <http://cpacanada.ca>

Major in Entrepreneurship

Students **must** complete the following four courses:

- COMM 3307.03
- COMM 3308.03 OR MGMT 3902.03
- COMM 4301.03
- COMM 4523.03

Plus two of:

- COMM 3309.03
- MGMT 3902.03 OR COMM 3308.03
- COMM 3401.03
- COMM 3402.03
- COMM 3404.03
- COMM 3405.03
- COMM 3408.03
- COMM 3409.03
- COMM 3410.03
- COMM 4701.03

Note: At least one Work Term must either be in an approved "Entrepreneurial Setting "; OR an "Entrepreneurial Work Term " as defined by the Norman Newman Centre for Entrepreneurship and Management Career Services.

Major in Finance

Note: An average grade of B- must be obtained between COMM 2202.03 and COMM 2203.03 to major in Finance.

Students **must** complete the following three courses:

- COMM 3203.03
- COMM 3206.03
- COMM 4240.03

Plus three of:

- COMM 3207.03
- COMM 4201.03
- COMM 4202.03
- COMM 4250.03
- COMM 3100.03 or COMM 3105.03 or COMM 4340.03 or ECON 2200.03 or ECON 2201.03

Note: Courses outside of Commerce, such as ECON, are counted as non-commerce electives or free electives

Major in International Business

Students **must** complete the following:

- Language Requirement; six credit hours (at a level appropriate to knowledge, as determined by department concerned)

Plus the following:

- COMM 3405.03
- COMM 4201.03
- COMM 4315.03
- COMM 4701.03

Plus one of the following:

- ECON 2213.03
- ECON 2219.03
- ECON 2334.03

Students must also complete one academic term or one work term in a country that is not their primary residence.

Note: Courses outside of Commerce, such as ECON or FREN (for example), are counted as non-commerce electives or free electives.

Major in Managing People and Organizations

Students **must** complete the following:

- SOSA 1002.03 and SOSA 1003.03; or SOSA 1100.06; or SOSA 1200.06; or PSYO 1011.03/PSYO 1021.03 and PSYO 1012.03/PSYO 1022.03
- COMM 3303.03
- COMM 3309.03
- COMM 3310.03
- COMM 4315.03
- COMM 4510.03
- COMM 4340.03

Note: Courses outside of Commerce, such as SOSA and PSYO, are counted as non-commerce electives or free electives

Major in Marketing Logistics

Students **must** complete the following five courses:

- COMM 3404.03
- COMM 3405.03
- COMM 3407.03
- COMM 3408.03
- COMM 4401.03

Plus one of:

- COMM 3401.03

- COMM 3409.03
- COMM 3410.03

Major in Marketing Management

Students **must** complete the following five courses:

- COMM 3401.03
- COMM 3402.03
- COMM 3404.03
- COMM 3407.03
- COMM 4401.03

Plus one of:

- COMM 3405.03
- COMM 3408.03
- COMM 3409.03
- COMM 3410.03

Students interested in majoring should consult the [School's website](#) and their Academic Advisor for further details before registering for their fifth academic term.

Co-op Work Terms

(For more information visit: www.dal.ca/mcs)

A work term is a period of time when a student gains practical experience in a business-related work environment. Each passed work term is an academic half credit and must meet the requirements listed below. Three passed work terms are required to graduate.

During a work term a student is considered an employee of their work term employer with reference to the conditions of their employment and is a student with respect to academic evaluation only. The university does not accept liability for the student's work environment.

Students are remunerated according to employer policy and the labour laws of the jurisdiction in which they work.

Career and Recruitment Specialists conduct mid-term reviews with both the employers and students to ensure the work term objectives are being met.

Work Term Requirements

Students receive academic credit upon completion of the following for each work term:

1. Students must register for each work term (COMM 2801, COMM 3801 and COMM 3802) via Dal on-line.
2. Students must participate in co-op orientation.
3. Each work term must be completed within the designated semester with one employer. A work term must total no less than 12 weeks with a cumulative total of 42 weeks over three work terms. A work term must be a minimum of 35 hours per week.
4. All jobs, including self-developed jobs must be approved by Management Career Services (MCS).
5. Students are responsible for finding suitable employment and students sign a Co-op Education Program Agreement prior to the first work term accepting this responsibility. (Support for the job search is provided by Management Career Services and some job opportunities are posted on the myCareer job posting system.)
6. Employers commit to completing and submitting an evaluation detailing the student's performance level which must be assessed as satisfactory to receive academic credit.
7. For each work term, students must submit a satisfactory work term report to the assigned faculty member in the Rowe School of Business.

Work Term Eligibility

Only students who meet the prerequisites (see **Section II: Courses Offered** of this calendar) are eligible to participate in a work term. Students whose grades drop below a 1.70 GPA overall will be **required to withdraw** from the University. Also refer to the university regulation regarding probation.

Co-operative Education Fee

Students are charged a Co-operative Education Fee. In an effort to balance the cost, the fees are charged on each academic term until completion of the degree. While no fee is charged for the actual work term, any student taking an academic course during the work term will be charged an additional pro-rated fee. Co-op fees are prorated for part-time students.

These fees are non-refundable after the deadline dates listed in the University Calendar. Students who transfer into the program from another department or another institution are responsible for back payments.

Students taking a full academic term on a Letter of Permission are also responsible for the payment of co-op fees. Before the Letter of Permission can be granted, students must sign a form available from the Undergraduate Advising Office, which states they will pay the full co-op fees for terms done at another university.

Payment of all instalments is required to obtain a Bachelor of Commerce (Co-op) Degree. Consult the Fees section of the Dalhousie University Calendar for details.

The Co-op fee covers:

Administration of the co-op work term including, but not limited to;

- Job search assistance (cover letters and resume building, interview preparation and debrief, coaching for self-developed job search strategies)
- Orientation workshops and other training
- Networking opportunities with employers (including special events, competitions, information sessions, corporate tours, mentoring etc)
- Work term monitoring and mediation of unsatisfactory situations
- Post work term debrief
- Development of job opportunities
- Access to on-line job posting site and job posting administration
- Interview space and co-ordination
- Facilitation of job offers
- Tracking of eligibility and job search activity

Management Information Systems

All Faculty of Management students have access to a computer lab with 45 terminals. All computers are based on the Intel family of processors, are fully networked, run Windows software, and the latest Windows-based applications. Students will have full access to the Internet, with a choice of printing on black-and-white or colour laser printers (direct debit with DalCard) as well as access to a full-sized color scanner (free of charge).

Exchange Programs

Dalhousie offers Bachelor of Commerce (Co-op) students the opportunity to study abroad in a variety of countries all over the world, including Denmark, France, Sweden, Norway, Korea and Germany (a complete list of partnerships can be found at (citt.management.dal.ca)). While participating in this extremely popular program, students develop international contacts, immerse themselves in a different culture, and gain valuable international experience. For more information, please contact the Undergraduate Advising Office by email at uao@dal.ca or by telephone at (902) 494-3710.

Minors

Bachelor of Commerce (Co-op) students can choose to complement their degree by declaring a minor in another subject area outside of the Faculty of Management. Students should consult with their program Academic Advisor concerning their degree requirements, and an Advisor from within their desired subject area for the minor requirements. For a current list of available minors please see Minors.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

COMM 1010 Business in a Global Context

CREDIT HOURS: 3

This course provides an introduction to the national and international context of Canadian political, economic and business activity. It presents a sampling of the most relevant issues facing managers in business, labour and public sector organizations. Emphasis is placed on developing an understanding of Canada's competitive position today, and of the historical background and current influences on this position. The focus of the course will be on lectures, the text, guest speakers, and more specifically what is said in class by your instructor as well as in tutorials by your tutorial leader and your colleagues. Leading edge ideas and concepts - many of which are not confined exclusively to any one particular text or article - will be introduced by your instructor during the lectures, and may be reinforced through hand-outs from time to time.

NOTES: Students in BComm Program can not receive credit for Mgmt 1000.03 or Mgmt 1001.03

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: COMM 1000.03

COMM 1101 Introductory Accounting I (Financial)

CREDIT HOURS: 3

An introduction to the principles and practices used by accountants in processing and communicating data, both within and outside the organization. Emphasis is on financial accounting and reporting, with the following objectives: To introduce the theoretical framework upon which financial statements are based, and examine the major underlying concepts and principles; To demonstrate basic financial accounting methodologies, and develop the analytical and procedural skills related thereto; To understand the information content of conventional financial statements, and the inherent limitations of accounting data.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: MGMT 2101.03

COMM 1502 Core Business Applications: Introduction to Computers

CREDIT HOURS: 3

The course focuses on how business applications, notably Word Processors, Spreadsheets, Enterprise Resource Planning (ERP) systems e.g. SAP and Data Visualization tools, contribute to the management, analysis and reporting of data with respect to business processes and how they can aid in the solving of business problems. This course begins with an overview of Management Information Systems, before proceeding through several modules that involve data-to-document transformations, along with data integration between various applications. We use spreadsheets to perform routine business calculations, and visualize the data using business digital dashboards. The analyses are then collated and summarized using features of word processors to produce a final report for each business case that is analyzed. Each successive module increases the complexity of the analyses and reports. As the course progresses, business simulations will be used in assignments to provide experiential and immersive learning opportunities. The course is taught with both in-class lectures and self-paced computer laboratory exercises

NOTES: MGMT 1601.03, ASSC 1000 or CSCI 1200 will not be counted in the Commerce program.

EXCLUSIONS: COMM 1501.03, MGMT 1601.03, INFO 1601.03, ASSC 1000.03, CSCI 1200.03

COMM 1700 Prepare for Study and Work in Canada

CREDIT HOURS: 3

This course is a mix of lectures, seminars, presentations, workshops and guest presentations. Activities covered in course will be targeted towards a Canadian work place environment. Students are expected to participate in class discussions, presentations and group projects. The activities in class will be based on practical applications of business communication strategies and language skills. Students will demonstrate their progress in in-class activities and take home assignments.

NOTES: Entrance into this course is by special permission. Please contact the Undergraduate Advising Office (uao@dal.ca) for more information

FORMAT: Lecture

COMM 1710 Business Communications I

CREDIT HOURS: 3

Students will learn how to be effective speakers and presenters. The primary goal of this course is to introduce the first-year students to the types of oral communication used in today's workplace. The course will start with introducing a philosophy for lean, effective, and ethical communication, how to construct analyses, develop arguments and lead to self reflection and individual value proposition. The course will cover a variety of topics such as networking, creating effective job application cover letters and resumes, interviewing, formal and informal presentation, job search skills, listening, team dynamics and conducting meetings, while doing research on potential employers. Students will have the opportunity to practice their skills and evaluate the skills of others.

NOTES: INFO 1002.03, ENGL 2100.03, ENGL 2110.03, and CSCI 2100.03 will not be counted in the Commerce program.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: COMM 1702.03, MGMT 3602.03, COMM 2701.03, INFO 1002.03, ENGL 2100.03, ENGL 2110.03, CSCI 2100.03

COMM 1720 Communications II

CREDIT HOURS: 3

This course follows COMM 1710.03. While the primary goal of this course is to teach students how to properly prepare written business correspondence, second-year students will also learn about academic writing (the concept of intellectual property, library resources, essay writing, and critical thinking). The course will again start with introducing a philosophy for lean, effective and ethical communication, how to construct analyses, develop arguments, make strategic choices on sentence structure, choice of channel, type of message, gain an understanding of the audience, the context and present culturally sensitive and ethically correct messages in the appropriate channel and form. Additionally, they will learn about communication theory and the importance of communication in the workplace so that they will learn about critical listening, critical reading, and how to be strategic writers. By the end of the course, students will be able to understand business contexts and know how to

make choices of medium, channel, form and also how to write business memos, e-mail messages, letters, reports, and proposals, analytical reports, participate and learn about group work.

NOTES: INFO 1003.03, ENGL 2100.03, and CSCI 2100.03 will not be counted in the Commerce program.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1710.03

EXCLUSIONS: COMM 1701.03, MGMT 3602.03, INFO 1003.03, ENGL 2100.03, CSCI 2100.03

COMM 2102 Introductory Accounting II (Managerial)

CREDIT HOURS: 3

An introduction to the use of accounting information by managers, within the organization. Emphasis is on management accounting and analysis, with the following objectives: To develop an understanding of the kinds of accounting information managers need; To examine managerial accounting methodologies and develop the analytical and procedural skills related thereto; To prepare accounting reports which are useful for management planning, control and decision-making; To develop an awareness of the limitations of managerial accounting information.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03

EXCLUSIONS: MGMT 2102.03

COMM 2110 Accounting Database Analysis and Design

CREDIT HOURS: 3

This class provides a basic understanding of information systems, especially accounting information systems including the five major business processes: (1) Revenue, Receivables and Cash Receipts; (2) Purchases, Payables and Cash Disbursements; (3) Manufacturing Conversion and Inventory; (4) Human resource and Payroll; (5) Finance This understanding includes for each process: the design elements; associated resources, events and personnel; the significant control risks; the major documents/files; and the database design including the structure of all necessary tables to support each process. You will be able to design your own accounting information system using Access 2007 - a database program. This will be done through a project that will continue throughout the course. You should be able to analyze a business process and prepare the proper database design, flowcharts and other documentation. You should be able to use database software to design the user interface including: preparing queries, forms, reports, pivot tables, web documents, macros and we will introduce Visual Basic programming. You should be aware of the security features of database software.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03, 2102.03, and 1502.03

EXCLUSIONS: COMM 3516.03

COMM 2202 Finance I

CREDIT HOURS: 3

An introduction to the problems faced by business managers in the acquisition and effective use of the firm's resources, and analytical concepts for evaluating financial decisions. Topics covered are: financial planning, time value of money, working capital management, risk and return, and valuation of debt and equity instruments.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03; ECON 1101.03 and ECON 1102.03; MATH 1115.03 or MATH 1000.03

EXCLUSIONS: MGMT 3201.03

COMM 2203 Finance II

CREDIT HOURS: 3

This course provides students with an overview of the theory of corporate finance and its application to the problems faced by financial managers. This course covers an in-depth study of capital budgeting and long term investment decisions in national and international contexts, capital structure, dividend policy, and the fundamentals of options and futures.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 2202.03

EXCLUSIONS: MGMT 3201.03

COMM 2303 Introduction to Organizational Behaviour

CREDIT HOURS: 3

This course will provide an overview of organizational behaviour theory, as well as an introduction to the practical application of that theory, within the context of the external and organizational forces that impact management. Through mini lectures, cases and discussion, students will be introduced to the theoretical basis of managing people in organizations. Key topics will include individual factors, such as personality and perception; organizational processes, such as appraisal and performance management; and contextual issues, such as organizational culture and change as well as the legislative framework within which managers must act. Experiential exercises will be incorporated to link theory with practice.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 1010.03

EXCLUSIONS: MGMT 2303.03 and MGMT 2304.03

COMM 2310 Business Ethics and Corporate Social Responsibility (CSR)

CREDIT HOURS: 3

Business is a collection of private, commercially oriented organizations, whereas society is a broad group of people with varying traditions, values, institutions, and collective activities and interests. Hence, businesses operate in free markets but are subject to obligations to protect (or *do no harm to*) the common good. Their challenge is to marry 'the freedom to be' with responsibility for others and particularly for the vulnerable. Business ethics provides moral systems for aligning priorities amid what are regularly contradictory or inconsistent sets of goals. This course examines the nature of these challenges from the basis of business ethics, their effects on companies and managers, and the corporate social responsibility tools managers can use to better understand and address complex issues involving numerous stakeholders. Broad topic areas include: (a) the social-cultural context of economic activity, (b) fundamentals of business ethics, (c) corporate social responsibility, (d) corporate-stakeholder relations, (e) globalization and consumer protection, and (f) sustainability and social, civic, and political action.

FORMAT: Lecture

PREREQUISITE: At least second-year standing

COMM 2401 Introduction to Marketing

CREDIT HOURS: 3

The objective of this course is to familiarize you with marketing's mode of inquiry-the way marketers look at the world. As a marketer you should be able to: 1) ask the right questions about markets; 2) organize data into relevant information; 3) discover market opportunities; 4) set goals; 5) create a marketing plan that includes clear target markets, as well as product, price, distribution and communication strategies; and 6) implement and control a marketing program. Students work in groups and run a business in an online marketing simulation. This provides students with hands-on group decision making and data analysis skills, and they are specifically responsible for making product, pricing, promotion and placement strategies for a brand or group of brands. The course will also train you in a number of skills that are necessary for higher level courses and career advancement (i.e., case analysis and analytical report writing).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1010.03, ECON 1101.03 and ECON 1102.03

CROSS-LISTING: MGMT 2401.03

COMM 2501 Statistics for Business

CREDIT HOURS: 3

An introduction to the principles and applications of statistics relevant to commerce students, with emphasis on making inferences based on observed data. Topics covered include descriptive statistics, probability, random variables, estimation, hypothesis testing, statistical software.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1010.03, COMM 1502.03 and MATH 1115.03 (or MATH 1000.03)

EXCLUSIONS: MGMT 1501.03 and MGMT 2502.03; MATH 1060.03; STAT 1060.03; ECON 2260.03; ENGM 2032.03

COMM 2502 Predictive Analytics

CREDIT HOURS: 3

This course is a follow-up to COMM 2501.03. It concerns mostly the relationship of two or more measurements. Topics covered in detail are analysis of variance, simple and multiple regression, and time series. Statistical software is featured prominently throughout the course for statistical computations.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 2501.03 (or MATH 1060.03 or STAT 1060.03 or ECON 2260.03, or ENGM 2032.03)

EXCLUSIONS: MGMT 1501.03 and MGMT 2502.03, MATH 2080.03, STAT 2080.03, ECON 2280.03

COMM 2603 Legal Aspects of Business

CREDIT HOURS: 3

This course provides an appreciation of some of the legal problems that might be faced by the business community. It examines the meaning and sources of law, the machinery of justice, the law of torts, various aspects of the law of contracts and application of principles from equity, the law of agency, the law relating to the sale of goods, bailment, contracts of employment, negotiable instruments, real property, mortgages, partnerships, international transactions, corporations and secured transactions. Students must make extensive use of the law library in writing reports on a series of cases.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: At least second-year standing.

COMM 2801 Work-Term One, Bachelor of Commerce (Co-op)

CREDIT HOURS: 3

Unless written permission is obtained, in advance, work term I is completed in the Winter term of the second year.

PREREQUISITE: At least 6 1/2 full credits, which must include COMM 1502.03, COMM 1710.03 and COMM 1720.03 plus at least 4 other full credits which must be in the Core Area (COMM, ECON 1101.03 and ECON 1102.03 and MATH 1115.03 or MATH 1000.03)

COMM 3100 Financial Reporting and Statement Analysis

CREDIT HOURS: 3

This course is intended for students who are not majoring in accounting. The approach to the course is analytical rather than procedural, with an emphasis on a user perspective. Topics include analysis of financing, investing and operating activities; profitability, and credit risk. Accounting topics include pensions, inter-corporate investments, leases, earnings per share, and cash flow.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03 and 2102.03

EXCLUSIONS: COMM 3105.03 and COMM 3111.03

COMM 3105 Intermediate Financial Accounting I

CREDIT HOURS: 3

This course and its follow-up, Commerce 3111.03, are meant to provide a solid understanding of the corporate financial reporting model and related conceptual issues. The course develops expertise in financial reporting issues related to revenue and expense recognition and a wide range of asset accounting issues, including receivables, inventories, and capital assets.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03 and COMM 2102.03 with an average of at least B-

EXCLUSIONS: COMM 3100.03

COMM 3111 Intermediate Financial Accounting II

CREDIT HOURS: 3

In conjunction with its prerequisite, Commerce 3105.03, this course is intended to provide an understanding of the corporate financial reporting model and related

conceptual issues. The course will develop expertise in accounting and reporting issues related to liabilities and shareholders' equity, including complex debt and equity instruments, corporate income taxes, leases, pensions and other post-retirement obligations, earnings per share, accounting changes and restatements.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 3105.03 with a minimum grade of C-

CROSS-LISTING: BUSI 6108.03

EXCLUSIONS: COMM 3100.03

COMM 3114 External Auditing

CREDIT HOURS: 3

This course covers the theory and practice of public auditing according to generally accepted auditing standards (GAAS). The course emphasizes Canadian Auditing Standards (CASs) and considers the forces impacting on the setting of standards and the current level of standards. This includes pronouncements of the accounting profession, reporting standards, professional ethics, audit planning, risk assessment, standards for examination of internal control in both manual and computerized environments, standards for the quality of evidence, statistical sampling and the sufficiency of evidence, documentation and working papers. The course considers typical audit programs for examination of financial statement elements and fraud awareness.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 3105.03 or COMM 3100.03

CROSS-LISTING: BUSI 6101.03

COMM 3116 Cost Management

CREDIT HOURS: 3

The major objective of this course is to develop a deeper understanding of the key topics in cost/managerial accounting and their management control implications. The selected topics to be covered include costing systems, cost-volume-profit analysis, cost and profit variance analysis, control and performance evaluation in decentralized organizations. This course is intended primarily for students who plan to major in the accounting area.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 1101.03 and 2102.03, with at least a B- average

COMM 3203 Financial Institutions

CREDIT HOURS: 3

This course is designed to introduce students to the structure and operations of financial institutions and the role they play in the growth and operation of capital markets. The class content includes reviewing the operation and functioning of various types of financial institutions and their roles in the economy. An emphasis will be put on measuring different types of risks and methods for managing these risks for financial institutions, particularly the banks. The topics include (but are not limited to) interest rate risk management, credit risk management, liquidity risk management, market risk management, and so forth. The role of derivative securities in various hedging strategies will also be reviewed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 2202.03 and COMM 2203.03 (with a minimum average grade of B-)

COMM 3206 Investment and Money Management

CREDIT HOURS: 3

This course is designed to provide the students with an overview of current investment theories and their application to the real world. In particular, a considerable effort will be made to compare and contrast the activities of money managers with the ones that are suggested in various theoretical models. The intention is to provide our students with the needed skills to successfully face the challenging world of portfolio and money management.

FORMAT: Lecture| Seminar

PREREQUISITE: COMM 2202.03 and COMM 2203.03 (with a minimum average grade of B-)

COMM 3207 Canadian Securities

CREDIT HOURS: 3

The topics covered in this course include an overview of capital markets and the financial services industry; financial statement analysis; an overview of the Canadian economy; fixed income securities; equity securities; investment funds; derivatives; security analysis; financing, listing and regulation; financial planning and taxation issues; and, portfolio management. Upon meeting the CSI's requirements, the student will earn the Canadian Securities Course designation.

NOTES: This course is offered via Distance Education. Students will have to register with the Canadian Securities Institute and will incur an additional fee.

PREREQUISITE: COMM 2202.03

EXCLUSIONS: COMM 3202.03

COMM 3303 Introduction to Human Resource Management

CREDIT HOURS: 3

The role of human resource management and administration of the personnel function are analyzed, along with the major aspects of the personnel function: job analysis, human resource planning, recruitment and selection, training, performance appraisal, compensation, labour relations, and safety and health. Knowledge of the processes is supplemented by the development of analytical skill in coping with various human resource problems and in the integration of the processes with the many other functions required in the organization. This "system and process" analysis builds upon the skill and knowledge acquired in COMM 2303.03. Cases simulate work environments.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 2303.03

COMM 3304 Labour-Management Relations

CREDIT HOURS: 3

Introduces students to some practical and theoretical aspects of labour-management relations in Canada. Examines historical, legal, behavioural, economic and political backgrounds of our system. Emphasis is on the key processes of industrial relations as they impinge on the activities of managers. Cases used are drawn from Canadian sources.

PREREQUISITE: COMM 2303.03

COMM 3307 New Venture Creation

CREDIT HOURS: 3

This course is about venturing - the process of creating new ventures in both the for-profit and not-for-profit environment. By linking theory and practice, the course will expose students to the issues, problems and challenges of creating new ventures and provide students with the opportunity, within the framework of a formal class, to explore and develop venture ideas as they have been considering or wish to investigate. Experiential exercises enable the students to build their personal entrepreneurial strategy, identify an innovative idea, build their business model, write and pitch a winning business plan in front of a panel of angels, government agencies representatives that support start-ups and experienced entrepreneurs.

FORMAT: Lecture

PREREQUISITE: COMM 1010.03, COMM 1101.03 and COMM 2401.03

CROSS-LISTING: MGMT 3907.03

COMM 3308 Managing the Family Enterprise

CREDIT HOURS: 3

Managing the Family Enterprise is about the special problems and issues that confront family businesses. It explores the family system, the business system, the ownership system and their interactions - functional and dysfunctional. Specific topics, examined from the family business perspective, include: the decision to join a family firm, management succession, ownership succession, the role of key non-family employees, strategic planning and other issues especially relevant for family firms. The course also addresses conflict and communication in the family and the business. The course has two purposes. First, it provides an organized framework for students to understand the dynamics and special issues of family firms. Second, it is designed to allow students to explore their interest in joining a family firm.

Therefore, it is especially intended for students who come from families which are in business or for students considering joining a family business. Others who wish to explore a key segment of Canadian business are also welcome. The course relies on field projects, guest speakers, case studies, videos, research papers and extensive class discussion to explore the territory of managing family businesses.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 1101.03 and COMM 3801.03

CROSS-LISTING: MGMT 3308.03

EXCLUSIONS: BUSI 6006.03

COMM 3309 Management Skills Development

CREDIT HOURS: 3

This course will introduce students to knowledge, skills, and attitudes (KSAs) that are critical to managing human resources effectively. Topic areas include: understanding what the successful manager needs to know, understanding the self, communications, interpersonal negotiations, goal setting, managing innovation and change, handling conflict and anger, performance evaluation, counselling and feedback, and management attitudes needed for success. Significant amounts of classroom time will be devoted to behaviour modelling exercises, role plays, case studies, and group discussions. Class participation forms a significant part of this course.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 2303.03

EXCLUSIONS: MGMT 3309.03

COMM 3310 Reflections on Leadership

CREDIT HOURS: 3

Course focuses on the study of leadership as a process of influencing people, rather than dealing with leadership at the organizational level. The course will comprise: a) a study of leadership theory, b) an opportunity to observe leadership through case studies, films, and various exercises, and c) an opportunity to practice leadership by leading a group in a short course-related project. The parameters of ethical leadership will be emphasized.

PREREQUISITE: COMM 1010.03 and COMM 2303.03

COMM 3401 Consumer Behaviour

CREDIT HOURS: 3

In view of the very competitive situation in modern business, the firm that is successful designs and sells products that meet the desires of specific consumer segments. Thus, analysis and prediction of consumer behaviour are increasing in importance and sophistication. An extensive body of research evidence from marketing and the behavioral sciences is explored and evaluated to assess the marketing implications of elements of consumer behaviour. Emphasis in course will be focused on how to incorporate an understanding of consumer behaviour into strategic marketing plans.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 2401.03

COMM 3402 Marketing Communications

CREDIT HOURS: 3

This course is designed to provide students with an understanding of how the major types of marketing communication messages are created and delivered. This means students should come away knowing the strengths and weakness of the major marketing communication functions (e.g. advertising, public relations, direct response, sales promotion, social marketing, packaging, etc.) and the major media used by them. By the end of the course, the student will have the ability to: (1) establish a knowledge base of researching and evaluating a company's marketing and promotional situations; (2) gain hands-on experiences in the creation of an integrated marketing communication campaign that impact customer relationships and brands; and (3) develop effective communication strategies and programs for real company situations. For those students who are not marketing majors, this course will also provide a basic understanding of persuasive skills which can be used no matter what vocation they choose in the future.

FORMAT: Lecture

PREREQUISITE: COMM 2401.03

COMM 3404 Marketing Research

CREDIT HOURS: 3

Students learn the scientific method in solving marketing problems and creating marketing intelligence from data. Emphasis is on planning and formulating research problems, research design, application of sampling methods, and analysis of data collected. The course uses cases and a real world project to hone skills needed for a wide range of marketing positions in industry.

FORMAT: Lecture| Tutorial| Discussion

PREREQUISITE: COMM 2401.03 and COMM 2502.03

COMM 3405 Global Marketing

CREDIT HOURS: 3

This course will examine similarities and differences in international marketing structures, functions and processes as related to the socio-economic and cultural environment and the opportunities and problems associated with international marketing for Canadian firms wanting to export to overseas markets. It is designed to be a comprehensive course embodying lectures, class discussion, assignments, and case studies. Students will also complete an export marketing plan for a Canadian company wishing to explore marketing opportunities in a foreign country.

FORMAT: Lecture| Discussion

PREREQUISITE: COMM 2401.03

COMM 3407 Logistics & Supply Chain Management

CREDIT HOURS: 3

An examination of the decisions faced by managers within the supply chain: the channels of distribution, the transportation and storage of products/services, and the communications and data processing systems, in order to minimize the total cost of these activities and satisfy the marketing requirements of the firm and its customers. Topics include: the integrated logistics & supply chain management concept, customer service, transportation, distribution centres, inventory management, materials management, packaging, purchasing, order processing and information systems, financial control, logistics organization, international logistics, reverse distribution and recycling, and the strategic logistics supply chain plan.

PREREQUISITE: COMM 2401.03

COMM 3408 Transportation Modes and Policy

CREDIT HOURS: 3

This course will introduce the student to the business of managing a transport enterprise. It will focus on understanding the regulatory (policy) environment and customer requirements prior to exploring operational considerations across a number of transport modes. The intent will be to explore the impacts of policy and modal structure on marketing the transportation company and structuring it for growth. The course is suitable for students wishing to work in the transport industry, in the supply chain activities of a transport customer or, tangentially, in the strategic management of any service business.

FORMAT: Lecture

PREREQUISITE: COMM 2401.03

COMM 3409 Personal Selling and Sales Management

CREDIT HOURS: 3

This course is designed to provide an understanding of the tasks and problems facing today's sales professionals and sales managers and to familiarize one with current personal selling and sales force management practices. Specifically, this course provides an exposure to personal selling concepts, techniques and procedures used in buyer-seller relations such as prospecting, sales call planning, negotiation skills, overcoming obstacles, persuasion and closing skills. It also covers sales management topics including the organization of the sales force, personnel management, selection, sales training, motivation, compensation, evaluation and supervision, budgets, quotas, territories and sales control. Sales role-plays, mock sales presentations, case studies and classroom discussion are used to extend the basic text material and examine other points of view.

FORMAT: Lecture

PREREQUISITE: COMM 2401.03

COMM 3410 Services Marketing

CREDIT HOURS: 3

Intangible services play an increasingly important role in the global economy, and most especially in the economies of developed countries. Yet, business school curriculae have customarily emphasized the marketing of tangible products in consumer and industrial markets. A basic premise of the elective course is that services (versus tangible goods) share a number of attributes that present unique challenges for marketing. The course seeks to prepare students to face those challenges. It is ideal for students who wish to work in a service industry (e.g., banking, insurance, travel, hospitality, consulting) or in a service capacity in the manufacturing sector (e.g., sales, customer relations). Emphasis will be placed on understanding the distinctive characteristics of services, the implications of these distinctions for marketing, the role of service quality as a determinant of customer satisfaction, and the measurement of these phenomena. Examples will be drawn from North American and European service industries.

PREREQUISITE: COMM 2401.03

COMM 3501 Production/Operations Management

CREDIT HOURS: 3

"Production" is one of the basic functions of any organization, whether it provides goods or services. Consequently, all managers, whatever their specialist interests, should have an understanding of some of the key concerns in managing operations, particularly if they aspire towards senior/general management positions. The purpose of this course is to provide such an understanding. It begins at a basic level by examining various types of production processes and continues by considering key aspects of inventory, supply chains and quality assurance. It concludes by examining production planning and strategy.

NOTES: MGMT 3501.03 will not be counted in the Commerce program

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 1101.03, COMM 1502.03, COMM 2401.03, and COMM 2502.03

EXCLUSIONS: MGMT 3501.03

COMM 3511 Management Information Systems

CREDIT HOURS: 3

Information is a key resource for businesses, other organizations, and professionals in both the contemporary and emerging worlds. Innovative uses of information are often keys to survival in an increasingly competitive economy. In addition, information systems account for an increasing larger share of assets in most organization. The ability to harness and manage information resources and information technologies demands a sound understanding of a broad range of concepts, terms, and challenging issues in a constantly evolving context. This course is designed to help students acquire the essential skills and conceptual background to become an effective client, user, and planner of Management Information Systems. It will help students develop a broad understanding of how information systems are used in organizations, the technologies that influence their use, their role in supporting business operations and decision making, how they need to be managed, and the impact that they can have on organizations' and professionals' competitive positions. Students will be exposed to SAP ERP systems and Business Analytics tools via hands-on lab work and exercises.

PREREQUISITE: COMM 1010.03, COMM 1502.03

COMM 3801 Work-Term Two, Bachelor of Commerce (Co-op)

CREDIT HOURS: 3

Unless written permission is obtained in advance, work term II is completed in the Fall term of the third year.

PREREQUISITE: At least 9 full credits earned, including COMM 2801.03 and at least 7 ½ other credits in the Core Area (Commerce, ECON 1101.03 and ECON 1102.03, MATH 1115.03 or MATH 1000.03, PHIL 2081.03)

COMM 3802 Work-Term Three, Bachelor of Commerce (Co-op)

CREDIT HOURS: 3

Unless written permission is obtained in advance, work term III is completed in the Summer term of the Third year.

PREREQUISITE: At least 11.5 full credits earned, including COMM 3801.03 and at least 10 other credits in the Core Area (Commerce, ECON 1101.03 and ECON 1102.03, MATH 1115.03 or MATH 1000.03, PHIL 2081.03)

COMM 4000 Directed Reading and Research

CREDIT HOURS: 3

This course offers the student the opportunity to explore in greater detail a particular area of interest. The content of the course is negotiated with the individual instructor involved. The student and instructor must develop a proposal, and submit it to the Curriculum Committee for approval. Guidelines are available from the Undergraduate Advising Office, Suite 2086, Rowe Building.

COMM 4101 Advanced Topics in Accounting I

CREDIT HOURS: 3

This course provides a theoretical framework for the study of accounting policy. Case analysis is an integral part of the course. Topics covered include accounting policy choice in a dynamic framework, an introduction to the impact of accounting policy choice and normalized income on business valuation partnerships, and the role of the professional accountant as part of these engagements. As well, the course may consider various practical and theoretical topics, including the role of the professional accountant working within an organization, as well as current topics as appropriate.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 3105.03 and COMM 3111.03

CROSS-LISTING: BUSI 6110.03

EXCLUSIONS: COMM 3113.03

COMM 4102 Advanced Topics in Accounting II

CREDIT HOURS: 3

This course provides an in-depth study of the interrelated topics of intercorporate investments, business combinations, consolidated financial statements, foreign currency transactions and foreign operations. The course also covers segmented reporting and bankruptcy, and not-for-profit accounting and fund accounting.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 3105.03 and COMM 3111.03

CROSS-LISTING: BUSI 6109.03

COMM 4112 Accounting Research

CREDIT HOURS: 3

This course considers the fundamental issues of financial reporting, establishing the reasons that accounting is valuable, and how financial reporting can best describe the economic value and economic performance of enterprises. Topics include accounting under ideal conditions, complications caused by information asymmetry, adverse selection and moral hazard, challenges in the decision-based models of accounting information users, standard setting frameworks and mechanisms, governance and social responsibility implications of reporting issues. The course will follow a seminar format, including presentations and analysis of current events. Students will be required to formulate a research proposal as a major course deliverable.

FORMAT: Lecture

PREREQUISITE: COMM 2202.03, COMM 3105.03, COMM 3111.03

COMM 4125 Taxation

CREDIT HOURS: 3

This course is an introduction to the taxation system in Canada, with a focus on personal income tax. The course will be a mixture of lecture style classes and problem solving classes. The class will be interactive and student will be expected and encouraged to participate. By the end of the course students should be able to:- Calculate taxes payable for individuals- Identify and analyze tax issues both orally and in writing

PREREQUISITE: ECON 1101.03 and ECON 1102.03 and COMM 3105.03.

EXCLUSIONS: COMM 4120.03

COMM 4126 Taxation II

CREDIT HOURS: 3

This course is a follow up to COMM 4125 and focuses on corporate income tax. The course will be a mixture of lecture style classes and problem solving classes. the Class will be interactive and students will be expected and encouraged to participate. By the end of the course students should be able to:- Calculate taxes payable for corporations- Identify and analyze tax issues both orally and in writing.

PREREQUISITE: COMM 4125.03

EXCLUSIONS: COMM 4121.03

COMM 4201 International Financial Management

CREDIT HOURS: 3

The purpose of the course is to present some techniques which have been developed to help managers manage sets of cash flows of different currencies. The first section of the course is a description of the financial transactions associated with international trade. Some models dealing with the interaction between international trade and currency prices are described. The second section of the course examines properties of currency exchange rates. It presents models for forecasting exchange rates and describes the economic justifications for the models, the arbitrage opportunities presented by the models, and practical limitations of the models. The third section presents models for assessing foreign exchange risk: so-called transaction, economic, and translation exposure. Implications for the operation of the firm subject to the different types of foreign exchange exposure are also presented. Some implications of international equity investments will also be presented. The fourth section

examines techniques for hedging foreign exchange risk. Foreign exchange derivative products, such as forward contracts, futures contracts, call and put options, and currency swaps are examined.

PREREQUISITE: COMM 2202.03, COMM 2203.03

COMM 4202 Derivatives

CREDIT HOURS: 3

This course is an introduction to derivatives and the main applications of derivatives for both investment purposes and corporate finance use. As an introductory or first course in derivatives, the goal is to cover the central concepts and issues that will permit the student to start using the products and understanding the main advantages, as well as the issues with derivative transactions. The course covers both quantitative pricing issues, as well as the many practical qualitative issues involved with the use of derivatives. Students should be comfortable with basic statistics and algebra. Knowledge of calculus is not required for this course. Students should also be comfortable with Excel spreadsheets and basic Excel mathematical functions.

PREREQUISITE: COMM 2202.03 and COMM 2203.03

COMM 4240 Advanced Corporate Finance

CREDIT HOURS: 3

This course will help students learn to apply fundamental ideas of corporate finance to real-life problems of business valuation and financial decision. Topics that will be discussed include valuation, mergers and acquisitions, financial distress, capital structure, payout policy, securities issuance, and corporate governance. The course builds on concepts and techniques that students have learned in finance, accounting, statistics, and economics. Case studies will be used to bridge the gap between finance theory and its applications to practical problems in corporate finance.

PREREQUISITE: COMM 2202.03 and COMM 2203.03 (with a minimum grade of B-)

COMM 4250 Theory of Finance

CREDIT HOURS: 3

This course is designed to complement other finance courses that have been previously offered to finance majors. It covers core theory of capital markets and corporate finance. Topics include functions and operations of capital markets, analysis of consumption-investment decisions, diversification and portfolio selection, valuation theory and equilibrium pricing of risky assets, and investment and financing decisions of firms. Theoretical foundation for further study and practical applications will be emphasized.

FORMAT: Seminar

PREREQUISITE: COMM 3206.03

CROSS-LISTING: BUSI 6250.03

COMM 4301 Managing the Venturing Process

CREDIT HOURS: 3

Managing the Venturing Process is a capstone course that explores the strategic elements required to venture successfully. By linking theory and practice, the course is designed to familiarize students with entrepreneurial strategies for the emerging venture, for the growing venture, and for sustaining growth in the established venture. Venturing will be explored in the context of both for-profit and not-for-profit objectives and will examine nurturing single entrepreneurs as well as organizational entrepreneurs. As this is a capstone course students will be expected to use knowledge acquired in other business courses.

PREREQUISITE: COMM 3307.03

CROSS-LISTING: MGMT 4901.03

COMM 4315 International and Intercultural Management

CREDIT HOURS: 3

This senior level course is designed to provide students with the knowledge and skills necessary for effective membership and management in global as well as culturally diverse domestic workplaces. The growing importance of international business and escalating levels of involvement in global competitiveness necessitates that the manager of the 21st century acquire additional skills and abilities for effective international and intercultural interactions at home and abroad. The course content includes such topics as: introduction to comparative and cross-cultural management, variations on cultural orientations and value, cross-cultural communications, employee attitude, motivational issues in cross-cultural settings, differences in management and leadership styles, training for international assignments, cross-cultural staffing, inter-cultural negotiations, ethics and social responsibility, expatriation and repatriation management, and designing global structure. RECOMMENDED: COMM 3303.03 and COMM 3309.03

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: COMM 2303.03

COMM 4340 Corporate Governance

CREDIT HOURS: 3

The central focus of corporate governance is the relationship between the top management team (TMT), the board of directors (BoD), and other stakeholders, especially stockholders. The collapse of once successful, large corporations across the globe illustrates the frankishness of their board members and the degree of their lack of concern for stockholders' interests. The reputation of audit and consulting companies associated with these ill-fated corporations suffered a great setback, leaving stakeholders wondering whom to trust to safeguard their interests. Students will take an in-depth look at the corporate governance triad, as indicated above, that controls the modern corporation. Accordingly, this course will deal with the control, composition, functions, roles, and structure of boards; board responsibility and accountability, CEO tenure and compensation, shareholder and other stakeholder representation; corporate board's vis-à-vis social responsibility and ethics; and comparative corporate governance across North America, Europe, and selected Asian countries.

FORMAT: Lecture

PREREQUISITE: COMM 4351.03

COMM 4351 Competitive Strategy

CREDIT HOURS: 3

Competitive Strategy focuses on how a firm competes at various levels; that is, functional, business and corporate. The course is designed to analyze the sources of competitive advantage among firms and to develop knowledge and skills necessary for effectively analyzing and formulating strategy. Accordingly, the course examines the role of the general manager in the organization; environmental and industry factors; organizational resource and capability constraints; the creation of value through functional-, business-, and corporate-level strategies, and, finally, how an organization leverages its resources and capabilities to extend its product and geographic scope internationally. Building upon this foundation, students will practice formulating well thought-out strategy recommendations that are specific and actionable. Throughout the term, students will be exposed to a wide variety of organizations through readings, case studies, and experiential exercises.

PREREQUISITE: All required first, second, and third year core courses, including the three work-terms, for the Bachelor of Commerce (Co-op) program.

EXCLUSIONS: MGMT 4001.03

COMM 4352 Strategic Management

CREDIT HOURS: 3

Strategic Management builds on COMM 4351.03: Competitive Strategy. After conducting a brief review of the external environment faced by the organizations, the focus of this capstone course turns to the examination of the internal workings of an organization. More specifically, this course is about the general manager's task of implementing competitive strategy and managing strategic changes. This course is integrative, as it deals with the organization as a holistic entity. In COMM 4352.03, various pedagogical methods are used to develop and enhance your analytical, writing, and presentation skills required in today's business environment. It also emphasizes analytical tools and conceptual frameworks that aid in the development of judgment. Although it draws on specific concepts, tools, and techniques from other core courses in the Bachelor of Commerce program, its basic purpose is to sharpen students' expertise and skills at developing judgments to help guide managerial actions in the face of uncertainty and complexity. Therefore, students are strongly encouraged to leverage and apply those concepts, tools, and techniques in this course.

PREREQUISITE: COMM 4351.03

EXCLUSIONS: MGMT 4002.03

COMM 4401 Marketing Strategy

CREDIT HOURS: 3

This course is intended for marketing majors who wish to deepen their understanding of how marketing strategy is formulated and implemented. This involves high-level, long time-frame decisions, since the product and market strategies are at issue. The course aims to improve decision-making skills in managing product/market portfolios and implementing marketing strategies. As a capstone course, it is designed to permit the integration of learning from other marketing courses. Instruction is mostly through case study discussions, report writing, and group presentations.

FORMAT: Seminar

PREREQUISITE: COMM 2401.03, COMM 3404.03 and one other marketing course (choose from: COMM 3401.03, COMM 3402.03, COMM 3405.03, COMM 3407.03, COMM 3408.03, COMM 3409.03 OR COMM 3410.03)

COMM 4501 Operations Research

CREDIT HOURS: 3

The goal of this course is to provide an understanding of the major O.R. techniques and how to apply them, not their theoretical development. Topics include: linear programming formulation, simplex method, sensitivity, integer variables, transportation, network problems, and simulation. Excel and cases are used to illustrate the main topics.

PREREQUISITE: COMM 1502 and COMM 2502

COMM 4510 Corporate Communication

CREDIT HOURS: 3

By the end of this course, students will have learnt about various communication strategies adopted and deployed by corporations. Students will have competently demonstrated their ability to devise a corporate communications portfolio for stakeholders they will adopt in particular case scenarios. This portfolio will include formulating & delivering internal and external communications, developing and authoring press releases, creating a strategy document for managing press conferences and media relations, creating a post-incident marketing campaign, and writing incident and preliminary investigative reports (with financial and accounting analysis as evidence where available). Student teams will then make team presentations to possibly hostile audiences, and outline how to manage internal and external public relations, both day-to-day and in crisis conditions.

PREREQUISITE: COMM 1710.03, COMM 1720.03 and COMM 2303.03

COMM 4511 Business Process Integration using ERP Systems

CREDIT HOURS: 3

Enterprise Systems are comprised of a unified database with shared analysis and reporting tools allowing for real time business intelligence across global operations. Emphasis in this course is equally on learning business processes and integration between different functional areas as it is about the technology that facilitates this. This course will be taught in the teaching labs with a combination of individual and group simulations interspersed with short lectures. An active learning approach in this course will include hands-on learning using SAP ERP, as well as ERPSim, a game-based SAP ERP simulation. Here you will learn to manage companies from end-to-end using the actual SAP ERP in a real-time simulated competitive environment and will learn the processes, gain technical skills with SAP and playfully learn how Enterprise Systems facilitate Business Intelligence which can be used to lead a company in a competitive environment.

PREREQUISITE: COMM 3501.03 and COMM 3511.03

COMM 4512 Business Intelligence and Data Visualization

CREDIT HOURS: 3

This course provides an introduction to Business Intelligence and Data Visualization. It covers the processes, methodologies and practices used to transform the large amounts of business and public data into useful information to support business decision-making. Students will learn how to extract and manipulate data from these systems with the necessary security safeguards. They will also acquire basic knowledge of data mining and statistical analysis, with a focus on data visualization. The students will also learn to build and use management dashboards and balanced scorecards using a variety of data design and visualization tools. The course will be made up of a combination of conceptual and applied topics with classes being held in a computer lab. Technologies to be used will be focused on end-user analytics and data visualization and will include state-of-the-art tools for self-serve business analytics.

PREREQUISITE: COMM 3511.03

COMM 4523 Project Management

CREDIT HOURS: 3

Many organizations in the private sector and the public sector are now using projects as tools to implement and achieve strategic goals, to innovate and to respond to customers' changing needs. This course will introduce students to the management of project portfolio, the project management methodology, the cross-cultural leadership skills, the concepts, the tools and techniques required to successfully manage a project. In this course, a practical and hands-on approach is used and involves several experiential exercises enabling the students to build an expertise in the process of managing projects.

PREREQUISITE: COMM 3501.03

CROSS-LISTING: MGMT 4333.03

COMM 4701 International Business Strategy

CREDIT HOURS: 3

The objective of this course is to help the students understand why firms expand overseas and how foreign operations differ from domestic ones. It provides the students with the necessary knowledge for a career or further study in international business. The course introduces the basic concepts of international business from a manager's perspective. It examines the issues and problems that arise when business operations extend across national boundaries and become international in scope or character. The emphasis is two-fold. First, consideration is given to the characteristics and contemporary dynamics of the world economy. Second, analysis is made of the development of the multinational firm and of the adaptation of the basic managerial functions due to internationalization. The course orientation is pragmatic and managerial. Through case studies, class discussions, assigned readings, and lectures, the students are expected to develop the skills for analyzing situations and formulating solutions in an international business context.

PREREQUISITE: COMM 4351.03

EXCLUSIONS: COMM 3701.03

Management

Location:

Building/Room: Kenneth C. Rowe Management Building

Street Address 1: 6100 University Avenue

Street Address 2: Room 2086

P.O. Box: 15000

Halifax, NS B3H 4R2

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Email Address: uao@dal.ca

General

The Faculty offers a curriculum of undergraduate and graduate studies designed to prepare students for careers in the fields of business, public administration, environmental and information management.

The undergraduate management degree includes studies from the humanities and social sciences as well as in the functional areas of management.

In co-operation with the School of Health and Human Performance, the Faculty also offers a combined, five-year program in which the student receives both degrees upon graduation. Please refer to the School of Health and Human Performance section for more information on the Bachelor of Science (Recreation)/Bachelor of Management.

Staff

Academic Director

Tarrant, F., BN (MUN), MPH (Queen's), MBA (SMU), PhD (Capella University)

Program Administrator

Muise, M.

Academic Advisors

Haigh, K.

Laffin, D.

Tarry, J.

Faculty

Faculty are drawn from all four Schools that comprise the Faculty of Management: Rowe School of Business, Information Management, Public Administration, and Resource and Environmental Studies.

Bachelor of Management

The Bachelor of Management provides undergraduate education in the management of organizations and human activities, in public sector management, environmental management, information management, and enterprise management.

This degree recognizes that managers work and move across borders between these sectors of management. Drawing on faculty from all four schools in the Faculty of Management, the program recruits students locally, nationally and internationally.

The objectives of the Bachelor of Management program are to:

- Develop students' knowledge of key concepts and issues that arise in formulating and implementing strategy in organizations.
- Develop students' analytical and decision making skills.
- Develop students' teamwork and communication skills.
- Develop students' awareness of their strengths, career aspirations and personal goals.
- Prepare students to graduate with management skills that can be applied in general management, information management, environmental management, public sector management, not-for-profit management, and enterprise management.

Degree Requirements

- Four year program
- Total credit hours required - 120
- Required GPA for graduation - 2.00
- Required core area courses - 63 credit hours:
 - ECON 1101.03
 - ECON 1102.03
 - MGMT 1000.03
 - MGMT 1001.03
 - MGMT 1501.03
 - MGMT 1601.03
 - MGMT 1702.03
 - MGMT 2101.03
 - MGMT 2303.03
 - MGMT 2304.03
 - MGMT 2401.03
 - MGMT 2402.03
 - MGMT 2601.03
 - MGMT 2702.03
 - MGMT 2801.03
 - MGMT 2803.03
 - MGMT 3201.03
 - MGMT 3501.03
 - MGMT 3602.03
 - MGMT 4001.03
 - MGMT 4002.03
- Required Management electives
 - nine credit hours in management electives are required
 - six credit hours Writing Course (see Section C.)
- Open Electives
 - 42 credit hours, chosen from all courses offered in the University
 - A maximum of 18 credit hours at the 1000 level is permitted.
 - A maximum of 18 credit hours in Commerce is permitted.
 - Strongly advise students to choose a course in ethics (e.g., PHIL 2081 Business Ethics, PHIL 2485 Technology and the Environment).

Program Guide

Students will normally follow the courses as listed in the table below:

Year	Fall Sept - Dec (A)	Winter Jan - Apr (B)
Year 1	Writing Requirement	Writing Requirement
	ECON 1101.03	ECON 1102.03
	MGMT 1000.03	MGMT 1001.03
	MGMT 1601.03 or MGMT 1501.03	MGMT 1501.03 or MGMT 1601.03
	Open Elective.03	MGMT 1702.03

Year 2	MGMT 2101.03	Open Elective .03
	MGMT 2303.03	MGMT 2304.03
	MGMT 2401.03	MGMT 2402.03
	MGMT 2601.03	MGMT 2702.03
	MGMT 2801.03	MGMT 2803.03
Year 3	MGMT 3201.03	MGMT 3501.03
	MGMT Elective .03 or	MGMT 3602.03 or MGMT
	MGMT 3602.03	Elective.03
	Open Elective .03	MGMT Elective .03
	Open Elective .03	Open Elective .03
Year 4	Open Elective .03	Open Elective .03
	MGMT 4001.03	MGMT 4002.03
	MGMT Elective .03	Open Elective .03
	Open Elective .03	Open Elective .03
	Open Elective .03	Open Elective .03

Writing Course

One of the first five credits chosen should be selected from a list of courses in which written work is considered frequently and in detail. These writing courses are approved by the Writing Across the Curriculum committee and are listed under Writing Courses of the academic calendar.

Courses which satisfy the Writing Requirement are identified by the following text in their formal description (under FORMAT):

Meets Writing Requirement

Combined Degree

The School of Health and Human Performance and the Faculty of Management offer a five-year program in which a student graduates with both degrees, Bachelor of Science (Recreation)/Bachelor of Management. Please consult the School of Health and Human Performance section in the calendar for more information.

Majors

During their fifth, sixth, seventh and eighth academic terms, students can either pursue a general program of study, by choosing electives from a wide range of the functional areas, or they can follow a more specialized program, taking their elective courses towards a major. Six interdisciplinary thematic majors are available to students who focus their studies in specific aspects of management.

Entrepreneurship and Innovation Major

Required Courses

- COMM 3511.03: Management Information Systems
- MGMT 3907.03: New Venture Creation
- MGMT 4333.03: Project Management
- MGMT 4901.03: Managing the Venturing Process
- MGMT 3308.03: Managing the Family Enterprise OR MGMT 3902.03: Starting Lean

Leadership and Organization Major

Required Courses:

One of:

- SOSA 1002.03: People in Culture/SOSA 1003.03: People in Society
- SOSA 1100.06: Introduction to Anthropology
- SOSA 1200.06: Introduction to Sociology
- PSYO 1011.03/PSYO 1012.03: Introduction to Psychology and Neuroscience I and II
- PSYO 1021.03/PSYO 1022.03: Introduction to Psychology and Neuroscience I and II

Plus:

- MGMT 3309.03: Management Skills Development
- COMM 3310.03: Leadership and Strategic Change
- MGMT 3320.03: Organizational Theory OR COMM 3303.03: Human Resource Management
- COMM 3304.03: Labour Relations

Management and Globalization Major

Required Courses:

- Six credit hours from second-year Political Science
- COMM 4315.03: International/Intercultural Management
- COMM 4701.03: International Management Strategy

Public Sector Management Major

Required Courses:

- MGMT 2502.03: Statistics for Managers II
- MGMT 3810.03: Government Policy towards Business
- MGMT 3802.03: Public Policy
- ECON 2216.03: Economics of Global Warming or ECON 2217.03: Women and the Economy or ECON 2218.03: Canadian Economy

Knowledge Management Major

Required Courses:

- MGMT 3601.03: Information in a Networked World
- MGMT 3603.03: Beyond Google
- INFO 6400.03: Advanced Knowledge Management
- MGMT 4540.03/INFO 6540.03: Database Management Systems **or** CSCI 2141.03: Intro to Database Systems

Sustainable Resources and the Environment Major

Termination of this major is pending MPHEC approval

Major in Environment, Sustainability and Society

Required courses:

- SUST 1000.06 (or SUST 1001.06)*
- SUST 2000.06 or SUST 2001.06
- SUST 3502.03 or MGMT 3701.03
- SUST 4000X/Y.06

* SUST 1000 or SUST 1001 satisfy the first year ESS Major requirement, however; SUST 1000 also satisfies the BMgmt writing requirement and can be more easily accommodated in the first year BMgmt schedule. SUST 1001 does not satisfy the BMgmt writing requirement.

Majors - Electives

Major in Entrepreneurship and Innovation

Students need nine credit hours from list.

- COMM 2603.03 Legal Aspects of Business
- COMM 3310.03 Reflections on Leadership
- COMM 3401.03 Consumer Behaviour
- COMM 3402.03 Marketing Communications
- COMM 3404.03 Marketing Research
- COMM 3405.03 Global Marketing
- COMM 3409.03 Sales Management
- COMM 3410.03 Service Marketing
- LEIS 4362.03 Recreational Entrepreneurship and Special Events
- MGMT 2102.03 Managerial Accounting
- MGMT 3308.03 Managing the Family Enterprise
- MGMT 3309.03 Management Skills Development
- MGMT 3902.03 Starting Lean

Major in Knowledge Management

Students need 12 credit hours from list.

COMM 3511.03 Management Information Systems

CSCI 1107.03 Social Computing

INFX 2601.03 Information Security

MGMT 4300.03/INFO 6300.03 Information Resources in Government

MGMT 4370.03/INFO 6370.03 Records Management

MGMT 4611.03/INFO 6610.03 Information Policy

MGMT 4620.03/INFO 6620.03 Electronic Text Design

MGMT 4681.03/INFO 6681.03 Geospatial Information Management

MGMT 4310.03/INFO 6310.03 Resources for Business Intelligence

Major in Leadership and Organizations

Students need 12 credit hours from list.

COMM 2603.03 Legal Aspects of Business

ECON 2217.03 Women and the Economy

ECON 2218.03 The Canadian Economy in the New Millennium: Economic Policy Debates for the Next Decade

ECON 3315.03 Labour Economics

ECON 3319.03 Industrial Organization

LEIS 3296.03 Leadership and Group Dynamics

MGMT 2102.03 Managerial Accounting

MGMT 3601.03 Information In a Networked World

MGMT 4333.03 Project Management

PHIL 2081.03 Ethics in the World of Business

PSYO 2080.03 Social Psychology

PSYO 2130.03 Introduction to Cognitive Psychology

PSYO 2770.03 Brain and Behaviour

SOSA 2002.06 The Sociological Perspective: Thinking and Doing Sociology

SOSA 3005.03 Knowledge, Work and Culture in the Contemporary World

SOSA 3060.03 Social Change and Development

SOSA 3165.03 People & Cultures/Area Study

SOSA 3206.03 Ethnicity, Nationalism, Race

SOSA 3284.03 Living Cities

Major in Management and Globalization

Students need 12 credit hours from list. A minimum of three credit hours from each of columns A and B.

Column A International Development Focus

ECON 2213.03 Economic Rise of China & India

ECON 2334.03 Globalization & Economic Development

ECON 3317.03 Poverty and Inequality

GWST 2217.03 Women and the Economy

One of:

Column B International Business Focus

COMM 3405.03 Export Marketing

COMM 4201.03 International Financial Management

ECON 2219.03 Euros and Cents

ECON 2239.03 European Economic History

INTD 2001.03 Introduction to Development I
 INTD 2002.03 Introduction to Development II
 INTD 3002.03 Introduction to Development IV
 INTD 2045.03 Indian Society: Continuity and Change
 INTD 2106.03 Africa: An Introduction
 INTD 3000 or above
 INTD 3114.03 Environment and Development
 INTD 3115.03 Global Health
 MGMT 2102.03 Managerial Accounting
 PHIL 2475.03 Justice in Global Perspective
 POLI 2300.06 Comparative Politics
 POLI 2520.03 World Politics
 POLI 3360.03 Politics in Latin America
 POLI 3385.03 Politics of the Environment

A minimum 3 credit hour language course

ECON 3326.03 Money and Banking
 ECON 3330.03 International Trade
 ECON 3331.03 International Finance
 GWST 2217.03 Women and the Economy
 MGMT 2102.03 Managerial Accounting
 PHIL 2081.03 Ethics in the World of Business
 POLI 2300.06 Comparative Politics
 POLI 2520.03 World Politics
 POLI 3321.03 Politics of the European Union
 POLI 3544.03 Political Economy of South Africa
 POLI 3378: Us Constitutions, Government and Politics to the Management and Globalization
 A minimum 3 credit hour language course

Major in Public Sector Management

Students need 12 credit hours from list. A minimum of three credit hours from each of columns A and B.
 Students are strongly recommended to take six credit hours of French or Spanish. Note that it is also possible to obtain a certificate of proficiency in Spanish.

Column A

COMM 3511.03 Management Information Systems
 ECON 2200.03 Intermediate Microeconomics
 ECON 3326.03 Money and Banking
 ECON 3330.03 International Trade
 ECON 3500.03 Public Economics
 MGMT 2102.03 Managerial Accounting
 MGMT 4300.03/INFO 6300.03 Information Resources in Government

Column B

CANA 2000.06 The Idea of Canada
 ECON 2216.03 Economics of Global Warming
 ECON 2217.03 Women and the Economy
 ECON 2218.03 The Canadian Economy in the New Millennium
 HIST course 2000 or above
 LAWS 2500.06 Introduction to Law
 PHIL 2020.03 Legal Thinking
 PHIL 3211.03 Philosophy of Law
 POLI 2210.03 Unity and Diversity: The Dynamics of Canadian Federalism
 POLI 2300.06 Comparative Politics
 POLI 3208.03 Canadian Provincial Politics
 POLI 3224.03 Canadian Political Parties
 POLI 3231.03 Urban Governance in Canada
 POLI 3321.03 Politics of European Union
 SOSA 2002.06 The Sociological Perspective
 A minimum 3 credit hour language course

Environment, Sustainability and Society Major

- Six credit hours SUST/ESS electives at 2000 level or above
- Three credit hours SUST/ESS electives at 3000 level or above (MGMT 3702.03 is recommended)

Minors

For Bachelor of Management students

Bachelor of Management students can undertake a minor from various departments within the Faculty of Arts and Social Science, the Faculty of Science or the Faculty of Computer Science. They should consult advisors in those faculties for the most current information on the requirements for particular minors.

For a current list of minors please see “Minor Programs” of the Undergraduate Calendar

For students registered in the BA, BSc, Blnf and BCSc programs

The minor in management is available to students registered in the BA, BSc, Blnf and BCSc programs. The requirements are as for the appropriate degree program with completion of the following courses:

Required courses:

- MGMT 1000.03: Introduction to Management Issues I
- MGMT 1001.03: Introduction to Management Issues II
- ECON 1101.03: Micro Economics
- ECON 1102.03: Macro Economics
- MGMT 1501.03: Statistics for Managers

Any three half-credits chosen from:

- MGMT 2101.03: Financial Accounting
- MGMT 2303.03: People, work and organizations: Micro Organizational Behaviour
- MGMT 2401.03: Introduction to Marketing
- MGMT 2601.03: Knowledge Management
- MGMT 2702.03: Resource and Environmental Management
- MGMT 2801.03: Government Structure

Plus an additional two full credits of MGMT courses at or above the 2000 level.

Optional Internship

The Bachelor of Management (BMgmt) internship is a minimum of 32 weeks (approximately eight months) of consecutive, full time work experience related to your studies. Internships can be at large multi-national corporations or small offices, at a not-for-profit organization or a government department. We will work with you to help you secure your Internship.

Bachelor of Management students currently in the second year of their program are eligible to apply for the Internship Program. Please meet with your Academic Advisor to discuss your course plan.

Acceptance to participate in the Internship Program will be assessed on the following criteria:

1. Completion of Application Form
2. Statement of Intent
3. Resume
4. GPA of 2.70 or higher in the two terms preceding application submission
5. Positive recommendations from references
6. Personal interview with Management Career Services (to be arranged once complete application is reviewed)
7. Full participation in the Internship Prep Seminar, MGMT 4895 (no fee, no credit value) which is held each fall

Internship Fee

Students accepted into the Internship Program are charged an Internship Fee. This fee is non-refundable after the last day to drop a course without a "W".

The Internship Fee covers:

Administration of the internship including, but not limited to:

- Job search assistance (cover letters and resume building, interview preparation and debrief, coaching for self-developed job search strategies)
- MGMT 4895, the Internship Prep Seminar
- Networking opportunities with employers
- Development of job opportunities
- Access to on-line job posting site and job posting administration
- Interview space and co-ordination
- Facilitation of job offers
- Tracking of eligibility and job search activity
- Internship monitoring and mediation of unsatisfactory situations
- Internship report instruction and grading
- Marketing and Communications, tools and activities to promote the internship program to employers

Career Development Fee

Bachelor of Management students have access to specialized career development services through the Management Career Services unit. This service is covered through the payment of a mandatory Management Career Services Fee. This fee is prorated for part-time students. The Management Career Services team provides the following services:

- Career Related Workshops and individual advising in topics including: Winning Resumes, Effective Interviewing, Job Search Strategies and Networking
- On Campus Grad Recruitment
- Special Events (i.e. Interview Competition, sector specific Recruiting Events and Corporate Tours, both locally and in other cities)
- Strong Interest Inventory (career assessment tool)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

MGMT 1000 Managing Organizational Issues I

CREDIT HOURS: 3

The course places management in its broadest context and helps students from diverse disciplines understand the complex social, economic, ecological, political and technological forces shaping 21st century leadership in the public, private and non profit sectors. Key themes explored in the course include systems thinking, values based approaches to management, and personal and professional development. We see those who successfully complete MGMT 1000/1001 as holistic, critical and strategic thinkers, acting with integrity to engage stakeholders, individually and in teams, to achieve personal, organizational and societal goals through interdisciplinary approaches. MGMT 1000/MGMT 1001 graduates will possess the ability to think globally, strategically, boldly, holistically and inter-disciplinarily, while considering local ecological, economic and cultural differences.

MGMT 1001 Managing Organizational Issues II

CREDIT HOURS: 3

A continuation of MGMT 1000.03.

PREREQUISITE: MGMT 1000.03

EXCLUSIONS: ASSC 1100.03, SCIE 1100.03

MGMT 1501 Statistics for Managers I

CREDIT HOURS: 3

An introduction to the principles and applications of statistics relevant to managers, with emphasis on making inferences based on observed data. Topics covered include descriptive statistics, probability, random variables, estimation, hypothesis testing and statistical software.

NOTES: Students enrolled in the Bachelor of Management must register for this course.

EXCLUSIONS: COMM 2501.03 and COMM 2502.03, MATH 1060.03 or STAT 1060.03

MGMT 1601 Electronic Information Management

CREDIT HOURS: 3

This course will teach students how to use computer applications to record and process data to create and communicate information and knowledge. It will show students the importance of business applications in the management environment. Students will master the word processing, spreadsheet, and presentation software in an integrated office suite, and will learn the fundamentals of database design. They will also learn to design and create web pages with html. It is strongly recommended that students complete this course in their first year of study.

NOTES: ASSC 1000 or CSCI 1200 will not be counted in the Bachelor of Management program.

MGMT 1702 Ecosystem Goods and Services

CREDIT HOURS: 3

The course explores the ecosystem goods and services on which our societies and economies depend, and the environmental basis of those goods and services. The

course will cover the nature and function of: matter, energy, ecosystems, primary producers, natural resources, biodiversity, ecological footprints, and feedback loops; and their importance for managers.

EXCLUSIONS: MGMT 1700.06, ENVI 1100X/Y.06, ENVS 1000.06

MGMT 2101 Financial Accounting

CREDIT HOURS: 3

This course introduces basic financial accounting methodologies and accounting principles used in the measurement and reporting of an organization's operating, financing and investing activities to external parties. Students develop an understanding of the information content of financial statements and techniques for analyzing the financial statements. The organizational context includes business, government and not-for-profit settings. The coverage includes an examination of the accounting process, basic issues in financial reporting, and the financial statement disclosure requirements.

PREREQUISITE: MGMT 1000.03, MGMT 1001.03

EXCLUSIONS: COMM 1101.03

MGMT 2102 Managerial Accounting

CREDIT HOURS: 3

This course examines how accounting can provide information to assist management in their planning, decision-making and performance evaluation activities -- whether for businesses, governments, not-for-profit organizations or special projects. Both qualitative and quantitative information supports this decision-making. Topics will include the understanding and determination of cost behaviours, an examination of the problems of tracing and allocating costs to the purpose(s) their incurrence was intended to serve, and the criteria for determining which costs are relevant to various types of decisions or areas of responsibility.

PREREQUISITE: MGMT 2101.03

EXCLUSIONS: COMM 2102.03

MGMT 2104 Public Sector Financial and Managerial Accounting

CREDIT HOURS: 1

This is required for all students who have completed COMM 2101.03 or COMM 1101.03. It covers the components that are covered in the MGMT courses and absent from typical private sector accounting courses.

PREREQUISITE: COMM 2101.03 or COMM 1101.03

MGMT 2303 People, Work, and Organizations: Micro Organizational Behaviour

CREDIT HOURS: 3

Organizational behaviour and the study of work organizations and management draw on a number of disciplines within social sciences to help us to understand and make sense of individual behaviour and human action in groups and organizations. Through a combination of individual and group work and a blend of classroom based activities supplemented by additional resources and materials available via BBL, this course will explore concepts and theories relating to micro aspects of organizational behaviour. Topics include: individual motivation, personality, perception, attitudes and values, and the relationships between individual choices and actions. Links will also be made to practice and processes in organizations (for example: rewards, appraisal, feedback and organizational commitment).

PREREQUISITE: MGMT 1000.03 and MGMT 1001.03

EXCLUSIONS: COMM 2303.03*Students who have taken COMM 2303.03 Introduction to Managing People are currently required to take MGMT 3309.03 (Management Skills Development) for full exclusion to MGMT 2303.03 and MGMT 2304.03.

MGMT 2304 People, Work and Organizations: Macro Aspects of Organizational Behaviour

CREDIT HOURS: 3

Mgmt 2304.03 builds on the concepts and principles identified in Mgmt 2303.03. This course takes a macro perspective that will consider the relationships between structural, cultural, social, economic and political factors and managing and organizing work. Topics include: organizational structure and processes; leadership, power and politics; organizational cultures, processes of organizational change, and legal and ethical issues and frameworks. To achieve a balance between theoretical and practical learning, the teaching methods will combine mini-lectures with in-class/on-line exercises, cases, presentations and group facilitated discussions.

PREREQUISITE: MGMT 2303.03

EXCLUSIONS: COMM 2303.03 Please note: where a student is transferring from Commerce to Management and has taken COMM 2303.03, they will need to take the complementary course MGMT 3309.03 (Management Skills Development) to receive full credit for MGMT 2303.03 and MGMT 2304.03

MGMT 2401 Introduction to Marketing

CREDIT HOURS: 3

The objective of this course is to familiarize you with marketing's mode of inquiry—the way marketers look at the world. As a marketer you should be able to: 1) ask the right questions about markets; 2) organize data into relevant information; 3) discover market opportunities; 4) set goals; 5) create a marketing plan that includes clear target markets, as well as product, price, distribution and communication strategies; and 6) implement and control a marketing program. Students work in groups and run a business in an online marketing simulation. This provides students with hands-on group decision making and data analysis skills, and they are specifically responsible for making product, pricing, promotion and placement strategies for a brand or group of brands. The course will also train students in a number of skills that are necessary for higher level courses and career advancement (i.e., case analysis and analytical report writing).

NOTES: Students enrolled in the Bachelor of Management must register for this course under its MGMT designation. Only students enrolled in the Bachelor of Management are permitted to take MGMT 2401.03

PREREQUISITE: MGMT 1000.03, MGMT 1001.03, ECON 1101.03, ECON 1102.03.

EXCLUSIONS: COMM 2401.03

MGMT 2402 Marketing Applications in the Not-for-Profit Sectors

CREDIT HOURS: 3

This course is intended to further the student's understanding of the ways in which the discipline of marketing can be applied to a number of public policy, environmental, professional and non-profit management areas. It will integrate the basic theory and concepts covered in the introductory marketing course with the knowledge gained in the introductory courses in environmental and public policy management or in introductory courses in a number of professional fields. The course will maintain an overall managerial perspective in examining the ways in which various constituencies fulfill their strategic organizational objectives through the application of marketing practices. Topic areas examined will be: micro-marketing (firm perspective) vs. macro-marketing (societal perspective); non-profit, cause-related, "green" and social marketing; de-marketing (e.g. anti-smoking, etc.); the use of marketing communications in the electoral and public policy-making process; ethics in marketing; marketing and development. The course may also examine the application of the discipline of marketing to a number of professional fields, such as sports/recreation and health sciences. Learning activities might include: lectures, videos, seminars, internet exercises, examinations and field assignments.

PREREQUISITE: MGMT 2401.03

MGMT 2502 Predictive Analytics

CREDIT HOURS: 3

A continuation of MGMT 1501.03. The main topics covered are analysis of variance, goodness of fit tests, simple and multiple regression, time series, statistical software.

PREREQUISITE: MGMT 1501.03

EXCLUSIONS: COMM 2501.03 and COMM 2502.03, MATH 2080.03, or STAT 2080.03

MGMT 2601 Knowledge Management

CREDIT HOURS: 3

In today's economy cutting-edge organizations in every industry are harnessing the power of knowledge as a core asset of the organization and the key to a sustainable competitive advantage. The aim of this Knowledge Management (KM) course is to provide an introductory and integrated approach to the various topics, emerging issues and perspectives in KM and organizational learning. We will explore how all types of organizations can effectively understand, analyze, measure, and manage, knowledge as an asset, i.e., manage the organization's intellectual assets and turn organizational wisdom into market value. Emphasis is placed on the development and application of both technical and people management skills within Knowledge Management environments.

PREREQUISITE: MGMT 1601.03

MGMT 2702 Resource and Environmental Management

CREDIT HOURS: 3

This course provides an overview of principles and techniques and explores challenging cases of environmental and resource management. It highlights the relevance of sustainability to today's business and government leaders, providing a framework for examining the issues involved in the extraction, manufacture, use and disposal of resources (materials, energy and products), and the tools available to optimally manage such systems.

PREREQUISITE: MGMT 1702.03

EXCLUSIONS: MGMT 1700.06, ENVI 1100.06 or ENVS 1000.06

MGMT 2801 Government Structure

CREDIT HOURS: 3

This course introduces students to the organizing principles and structures of the three levels of Canadian government; federal, provincial and municipal. The focus is particularly directed at the permanent public service and seeks to examine the collective "whole of government" influence on Canadian affairs. For those interested in business this is an important course as it provides an understanding of the core structures business must understand when dealing with government. As citizens this course provides a framework for understanding how you might protect your rights.

PREREQUISITE: MGMT 1000.03, MGMT 1001.03, second year student

MGMT 2803 Management in the Public Sector

CREDIT HOURS: 3

This course provides an introduction to the principles and methods used in the management of financial, human, and information resources in public sector organizations, with an emphasis on leadership in the Canadian context. It is designed to meet the educational needs of undergraduate students who are interested in a career in public service, the arts, or non-profit organizations, and who wish an exposure to modern management practices in the public sector.

PREREQUISITE: MGMT 2801.03

MGMT 2902 Innovation: An Introduction to Design Thinking

CREDIT HOURS: 3

Ever wonder how great ideas turn into innovative solutions people or organizations want to adopt? In today's highly dynamic environment, innovation has become not only a priority, but a driving force for highly successful organizations that adopt Design Thinking tools and processes that promote innovation. When done well, these tools and processes link inspiration and passion to implementation and delivery – and help individuals and organizations develop a culture that embraces and promotes innovation. This course combines theory and application and provides a hands-on practical learning experience for students as they actually design and implement innovative solutions to real world problems using creative problem solving and design thinking techniques. Students work in teams and learn how to apply these techniques to more fully understand the problem, identify novel and suitable solutions, and determine whether their proposed solution is a fit with those that will be using it.

FORMAT: Lecture

PREREQUISITE: 2nd year students

MGMT 3201 Financial Management

CREDIT HOURS: 3

This course is an introduction to the techniques and core principles for making optimal financial decisions for profit, not for profit and public sector organizations. The emphasis is on understanding the role of finance in an integrated management framework. Concepts covered include stakeholder analysis, financial planning, valuation and triple bottom line analysis.

PREREQUISITE: MGMT 2101.03, MGMT 1501.03

EXCLUSIONS: COMM 2202.03 and COMM 2203.03

MGMT 3308 Managing the Family Enterprise

CREDIT HOURS: 3

Managing the Family Enterprise is about the special problems and issues that confront family businesses. It explores the family system, the business system, the ownership system and their interactions - functional and dysfunctional. Specific topics, examined from the family business perspective, include: the decision to join a family firm, management succession, ownership succession, the role of key non-family employees, strategic planning and other issues especially relevant for family firms. The course also addresses conflict and communication in the family and business. The course has two purposes. First it provides an organized framework for students to understand the dynamics and special issues of family firms. Second it is designed to allow students to explore their interest in joining a family firm. Therefore, it is especially intended for students who come from families which are in business or for students considering joining a family business. Others who wish to explore a key segment of Canadian business are also welcome. The course relies on field projects, guest speakers, case studies, videos, research papers and extensive class discussion to explore the territory of managing family businesses.

PREREQUISITE: MGMT 2101.03

CROSS-LISTING: COMM 3308.03

EXCLUSIONS: BUSI 6006.03

MGMT 3309 Managing the Family Enterprise

CREDIT HOURS: 3

This course will expose students to key knowledge, skills, and attitudes (KSAs) considered critical to managerial success. Such an exposure is designed to provide the students with behaviours which will help ensure that, when managing human resources, staff will perform at or near peak capabilities. Topic areas include: understanding what the successful manager needs to know, understanding the personal self, communications, interpersonal negotiations, goal setting, managing innovation and change, handling conflict and anger, performance evaluation, counselling and feedback, and management attitudes needed for success. Significant amounts of classroom time will be devoted to behaviour modelling exercises, role plays, case studies, and group discussions.

FORMAT: Lecture| Discussion

PREREQUISITE: MGMT 2303.03 and MGMT 2304.03

EXCLUSIONS: COMM 3309.03

MGMT 3320 Organizational Theory

CREDIT HOURS: 3

This course will demonstrate how organizations are designed and structured to be most effective, and how they develop and change as a strategic and adaptive response to forces in their internal and external environments. How organizational structures are driven by strategy, technology, culture and how organizations deal with change will also be primary areas of foci. The course is designed to provide students with theoretical and practical approaches and frameworks that are useful for assessing organizational structures and processes in relation to environmental demands, for defining change strategies designed to improve organizational effectiveness, and for undertaking the practical task of managing change processes toward that end. The course will be structured around a combination of lectures, student presentations, and in-class discussions and exercises.

PREREQUISITE: MGMT 2303.03, MGMT 2304.03

EXCLUSIONS: COMM 4306.03

MGMT 3400 Introduction to Real Estate Management

CREDIT HOURS: 3

The purpose of this course is to provide students with an overview of the varied aspects of property management in the Canadian environment. Topics include:

Residential Management, Building Operations, Green Programs and Initiatives, Facility Management and Site Development.

PREREQUISITE: MGMT 2101 and MGMT 3201 or COMM 1101, COMM 2202 and COMM 2203

MGMT 3501 Operations Management

CREDIT HOURS: 3

This course introduces the student to some of the standard techniques used in managing operations in manufacturing, services, as well as not-for profit organizations. Topics include: inventory, supply chains, production planning, project management, quality and queueing. Cases and class examples are used to build general skills, illustrate the application of techniques and general approaches to managing operations in the public and private sector.

PREREQUISITE: MGMT 1601.03, MGMT 2101.03, MGMT 2401.03, MGMT 1501.03

EXCLUSIONS: COMM 3501.03

MGMT 3601 Information in a Networked World

CREDIT HOURS: 3

This course provides an introduction to the economic, political, and social dimensions of today's networked information economy. It considers the historical development of information and knowledge production, issues related to control versus the free flow of information, the ethical and legal aspects of information management, and organizational use of information management for storing and processing information, managing knowledge, and making decisions.

PREREQUISITE: MGMT 2601.03

MGMT 3602 Professional Communication Skills

CREDIT HOURS: 3

This course will introduce students to the broad range of written and oral communication skills needed by managers, including how to adapt a document or presentation for a particular audience and purpose, how to select a suitable method of organization, how to make good use of graphics, how to work effectively as part of a collaborative project team. Students will have the opportunity to practice their communication skills and techniques in small groups, and in formal presentations before the whole class.

PREREQUISITE: Writing Requirement

RESTRICTIONS: Third year student

EXCLUSIONS: (COMM 1701.03 and COMM 1702.03) or (LIBS 1002.03 and LIBS 1003.03) or (INFO 1002.03 and INFO 1003.03) or (MGMT 1002.03 and MGMT 1003.03) or (COMM 1710.03 and COMM 1720.03)

MGMT 3603 Beyond Google

CREDIT HOURS: 3

Contextually relevant information is essential to support decision making and strategic planning by individuals, groups and organizations. This course discusses the theory and practice of searching for information, from the level of needs assessment through to systematically scanning through electronic, print and human sources efficiently, effectively and ethically. The use of technologies to streamline search processes will be emphasized, as well as the behavioural, affective and cognitive aspects of human information behaviour.

PREREQUISITE: MGMT 2601.03

MGMT 3701 The Community as a Living Laboratory

CREDIT HOURS: 3

This course introduces students to research, concepts and methods for analyzing community sustainability across a spectrum of perspectives. In this course, the Halifax community serves as a living laboratory for identifying, evaluating and assessing indicators of progress toward greater environmental, social and economic sustainability. Working in groups, students apply problem-solving models to case studies using qualitative and quantitative research methods to help community-based organizations grapple with real world problems. A variety of tools may be used including systems analysis, environmental audits, field surveys, questionnaires, interviews, and statistical analysis. Students then draw conclusions and make recommendations for improvements on the basis of their analysis.

PREREQUISITE: MGMT 1700.06 or ENVI 1100.06 or ENVS 1000.06 or SUST 2000.06 OR SUST 2001.06 or MGMT 1702.03 and MGMT 2702.03

EXCLUSIONS: ENVS 3502.03, SUST 3502.03

MGMT 3702 Resource/Environmental Problem-Solving: Sustainable Industries

CREDIT HOURS: 3

The course introduces students to concepts and methods for analyzing industrial sustainability based on both renewable (e.g., forests, fisheries, agriculture) and non-renewable (e.g., minerals, fossil fuels) resources. Students learn how natural resources are managed and used, and how sustainable businesses and innovative economic enterprises can be based on sustainable resource use. A range of management and policy mechanisms for ensuring resource sustainability is explored.

PREREQUISITE: MGMT 1700.06 or ENVI 1100.06 or ENVS 1000.06, or SUST 2000.06 or SUST 2001.06 or (MGMT 1702.03 and MGMT 2702.03)

MGMT 3802 Public Policy

CREDIT HOURS: 3

This course serves as an introduction to the public policy process with an emphasis on the interplay between policy and the four thematic areas of study and professional practice upon which the Faculty of Management has been formed – the private sector, the environment, the public sector and information technology. Students assume the role of a policy analyst during the course and pursue a policy problem of their choosing through the policy process that culminates in a policy project briefing and paper.

PREREQUISITE: MGMT 1000.03, MGMT 1001, MGMT 2801.03, MGMT 2803.03

MGMT 3810 Government Policy Toward Business

CREDIT HOURS: 3

The focus of this course is twofold: first, how governments shape business behaviour through policy, regulation, state ownership, and other forms of intervention; and secondly, why collaboration is a growing reality enjoining public sector and private sector organizations and the implications for each sector and society as a whole.

The course aims to understand the fundamental difference between the public interest and the private interest and how such differences are sorted out through contemporary governance systems involving public, private and civic actors. While the emphasis will be on the Canadian environment, a comparative perspective will also be used in light of many issues that are increasingly transnational in scope. Students will be able to develop a critical view of government intervention and grow a sense of when and where government action is warranted and when and where it is not.

FORMAT: Lecture| Seminar

PREREQUISITE: MGMT 2801.03, MGMT 2803.03, ECON 1101.03, ECON 1102.03

MGMT 3902 Starting Lean

CREDIT HOURS: 3

This course provides real world, hands-on learning on what it's like to actually build a scalable startup company. This is a practical course - essentially a lab, not a theory course providing experiential learning. You will work in teams learning how to turn a great idea into a great company. You will learn how to talk to customers, partners, and competitors, as you encounter the chaos and uncertainty of how a startup actually works. You'll learn how to use a business model canvas to brainstorm each element of a company. You will learn the importance of customer development and customer discovery to determine whether anyone other than you would want/use your product and what your 'Minimum Viable Product' (MVP) should look like. Each day will be a new adventure outside the classroom as you test each part of your business model, then share your hard earned knowledge with the rest of the class.

CROSS-LISTING: BUSI 5902.03

MGMT 3907 New Venture Creation Entrepreneurship

CREDIT HOURS: 3

This course is about venturing - the process of creating new ventures in both the for-profit and not-for-profit environment. By linking theory and practice, the course will expose students to the issues, problems and challenges of creating new ventures and provide students with the opportunity, within the framework of a formal class, to explore and develop venture ideas as they have been considering or wish to investigate. Experiential exercises enable the students to build their personal entrepreneurial strategy, identify an innovative idea, build their business model, write and pitch a winning business plan in front of a panel of angels, government agencies representatives that support start-ups and experienced entrepreneurs.

PREREQUISITE: MGMT 1000.03, MGMT 1001.03, MGMT 2101.03, and MGMT 2401.03

CROSS-LISTING: COMM 3307.03

MGMT 4001 Strategy Formulation

CREDIT HOURS: 3

This is a capstone course which draws upon all previous courses in the Bachelor of Management Program. The course introduces students to different theoretical frameworks for the analysis and development of strategy. Moving through the analysis phase by way of external and internal scans of the environment and of the organization itself, students' progress to the formulation phase of strategy-making through lectures, case studies and in-class discussions. Strategy is examined in the context of the four thematic areas of study and professional practice upon which the Faculty of Management has been formed - the private sector, the environment, the public sector and information technology. Student knowledge is consolidated through the preparation of a major individual project on a real organization, a significant team application of course material, and a final examination.

PREREQUISITE: All required first, second, and third year core courses for the Bachelor of Management program.

EXCLUSIONS: COMM 4351.03

MGMT 4002 Strategy Implementation

CREDIT HOURS: 3

This course is the second capstone course in the Bachelor of Management Program and is a continuation of MGMT 4001.03. The course introduces students to strategic implementation and involves the examination of the major factors that impact effective organizational performance. Students will learn how to effectively manage the strategy implementation process through an examination of leadership and governance, corporate social responsibility and ethics, management operations, organizational structure and design as well as organizational culture. Knowledge will be consolidated through the preparation of an individual strategic implementation project, group case analysis and presentation. The course also examines strategic sustainability by drawing upon the four thematic areas of study and professional practice upon which the Faculty of Management has been formed - the private sector, the environment, the public sector and information technology.

PREREQUISITE: MGMT 4001.03

EXCLUSIONS: COMM 4352.03

MGMT 4013 Marine Protected Areas

CREDIT HOURS: 3

The creation of refugia from human exploitation in the marine environment for the purposes of conservation and sustainable resource usage is a fast-growing application of ecological theory and ecosystem-based management. The holistic approach marries ecological research, fisheries science, park management and social policy. Criteria and information requirements for the selection, establishment and adaptive management of Marine Protected Areas are evolving on many fronts. Professionals in marine affairs need to be aware of the state of the art in Marine Protected Areas theory and practice. That is the goal of this class.

NOTES: MGMT courses cross-listed with MARA graduate classes are restricted to students majoring in Sustainable Resources and the Environment and approval from Marine Affairs Program.

PREREQUISITE: MGMT 1700.06 MGMT 1702.03 and MGMT 2702.03, and MGMT 3701.03 and MGMT 3702.03

CROSS-LISTING: MARA 5013.03

MGMT 4021 Fisheries Management

CREDIT HOURS: 3

This interdisciplinary course focuses on the theory and practice of fishery management, with emphasis on Sustainable Fishery Systems. It will address the structure and dynamics of fisheries, and key themes in managing fisheries for sustainability and resilience, through class seminars and discussion, as well as attendance at related fisheries and coastal events.

NOTES: MGMT classes cross-listed with MARA graduate classes are restricted to students majoring in Sustainable Resources and the Environment and approval from Marine Affairs Program.

PREREQUISITE: MGMT 1700 and MGMT 3701 and MGMT 3702

CROSS-LISTING: MARA 5021.03

MGMT 4050X/Y Directed Reading and Research

CREDIT HOURS: 3

This course offers the student the opportunity to explore in greater detail a particular area of interest. The content of the course is negotiated with the individual instructor involved. The student and instructor must develop a proposal, and submit it to the Program Committee for approval. Guidelines are available from the Bachelor of Management Program Administrator.

MGMT 4333 Project Management

CREDIT HOURS: 3

Many organizations in the private sector and the public sector are now using projects as tools to implement and achieve strategic goals, to innovate and to respond to customers changing needs. This course will introduce students to the management of project portfolio, the project management methodology, the cross-cultural leadership skills, the concepts, the tools and techniques required to successfully manage a project. In this course, a practical and hands-on approach is used and involves several experiential exercises enabling the students to build an expertise in the process of managing projects.

PREREQUISITE: MGMT 3501.03

CROSS-LISTING: COMM 4523.03

MGMT 4895 Internship Prep Seminar

CREDIT HOURS: 0

Upon acceptance into the Bachelor of Management Optional Internship Program (Winter Term), students register for MGMT 4895 for the Fall Term. This course is designed to introduce internship students to aspects of career development and preparation for their internship experience. Students apply to the Internship Program through Management Career Services in their second year.

NOTES: This course carries zero credit hours. Details on the Bachelor of Management Internship Program are available at www.dal.ca/mcs/internship

MGMT 4896 Management Internship

CREDIT HOURS: 3

The optional internship will take place between academic year 3 and the final academic year. It is designed to offer opportunity to combine relevant job experience with classroom studies. Students can work with professionals in their chosen field which will increase employability after graduation.

NOTES: This is a Pass/Fail course with only a maximum of six credit hours to be applied to the Bachelor of Management degree.

PREREQUISITE: MGMT 3201.03, MGMT 3501.03, MGMT 3602.03, MGMT 4895.

MGMT 4897 Management Internship

CREDIT HOURS: 3

The optional internship will take place between academic year 3 and the final academic year. It is designed to offer opportunity to combine relevant job experience with classroom studies. Students can work with professionals in their chosen field which will increase employability after graduation.

NOTES: This is a Pass/Fail course with only a maximum of six credit hours to be applied to the Bachelor of Management degree.

PREREQUISITE: MGMT 3201.03, MGMT 3501.03, MGMT 3602.03, MGMT 4895

MGMT 4898 Management Internship

CREDIT HOURS: 0

The optional internship will take place between academic year 3 and the final academic year. It is designed to offer opportunity to combine relevant job experience with classroom studies. Students can work with professionals in their chosen field which will increase employability after graduation.

NOTES: This is a Pass/Fail course with only a maximum of six credit hours to be applied to the Bachelor of Management degree.

PREREQUISITE: MGMT 3201.03, MGMT 3501, MGMT 3602.03, MGMT 4895

MGMT 4899 Management Internship

CREDIT HOURS: 0

The optional internship will take place between academic year 3 and the final academic year. It is designed to offer opportunity to combine relevant job experience with classroom studies. Students can work with professionals in their chosen field which will increase employability after graduation.

NOTES: This is a Pass/Fail course with only a maximum of six credit hours to be applied to the Bachelor of Management degree.

PREREQUISITE: MGMT 3201, MGMT 3501, MGMT 3602.03, MGMT 4895

MGMT 4901 Managing the Venturing Process

CREDIT HOURS: 3

Managing the Venturing Process is a capstone course that explores the strategic elements required to venture successfully. By linking theory and practice, the course is designed to familiarize students with entrepreneurial strategies for the emerging venture, for the growing venture, and for sustaining growth in the established venture.

Venturing will be explored in the context of both for-profit and not-for profit objectives and will examine nurturing single entrepreneurs as well as organizational entrepreneurs. As this is a capstone course students will be expected to use knowledge acquired in others business courses.

PREREQUISITE: MGMT 3907.03 or COMM 3307.03

CROSS-LISTING: COMM 4301.03

Faculty of Medicine

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Halifax, NS B3H 4R2
Telephone: (902) 494-6592
Fax: (902) 494-7119
Website: medicine.dal.ca
Email Address: medicine.admissions@dal.ca

Admissions and Student Affairs Office

Location: Room C-132, Lower Level, Clinical Research
Telephone: (902) 494-1874
Fax: (902) 494-6369

General Information

Dalhousie Medical School was organized in 1868, but medical teaching was carried out by the independent Halifax Medical College from 1875 to 1911, when the Faculty of Medicine was re-established by the University.

The Faculty provides a complete medical training leading to the degree of Doctor of Medicine (MD). Nationally accredited postgraduate training in family medicine and specialty training is provided in University-affiliated hospitals in Nova Scotia, Prince Edward Island and New Brunswick. Continuing Medical Education is provided to the practitioners of the three Maritime Provinces.

The Faculty is fully accredited by the Liaison Committee on Medical Education and the Committee on Accreditation of Canadian Medical Schools.

The Medical School has strong research programs in basic biomedical sciences, clinical sciences, population health and medical education.

Mission Statement

Serving Maritime Canada, the Faculty of Medicine enables excellence in health care through our medical education and research programs in partnership with government, health authorities and health care providers.

Staff

Dean

Marrie, T., MD

Senior Associate Dean

White, D., MD

Associate Deans

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Hall, J., MD (Memorial), CCFP, FCFP, Dalhousie Medicine New Brunswick (DMNB)
Johnston, G. C., PhD (York), Research
LeBlanc, C., Continuing Medical Education
Matte, M., Undergraduate Medical Education
Warren, A., MD, MSc, FRCPC, Postgraduate Medical Education

Assistant Deans

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Field, S., MD, Undergraduate Medical Education Clerkship
Forsythe, P., Student Affairs, DMNB
McLeod, R., Graduate and Postdoctoral Studies
Reiman, A., MD, Research Dalhousie Medicine (New Brunswick)
Sutton, E., MD (Dalhousie), Admissions and Student Affairs
Teehan, M., Admissions and Student Affairs
Weeden, A., Cert, BA (UNBSJ), BA (Dalhousie), Operations
West, M., Research (Clinical Trials)
Williams, G., MD (MUN), FRCPC, Postgraduate Medical Education

Academic Head

Sargeant, J., Head, Division of Medical Education

Academic Director

Croskerry, P., MD, PhD, FRCP (Edin), Director, dme.medicine.dal.ca/criticalthinking-index.php
Evans, J., PhD, Director, Communication Skills Program
Sinha, G., Director, Student Advisor Program
Stewart, W., MD, Director, humanities.medicine.dal.ca

Administrative Directors/Staff

Eakins, A., BA (Dalhousie), Undergraduate Medical Education Administrator
Forward, S. D., BComm (SMU), Admissions and Student Affairs
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MacNeil, C., CMA, Finance
O'Hearn, S., MA, MSc (OT), Global Health
O'Neil, D., MPA, Operations and Policy (Manager)
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Power, J., BA, MPA, Performance and Accountability
Robinson, M. A., Continuing Professional Development (Office Manager)
Ross, C., Research Director
Silver Smith, C., Postgraduate Medical Education

Dalhousie Medical Research Foundation

MacKinnon, J., CFRE, Executive Director
Teixeira, D., Office Manager

Faculty Council

Elnenaei, M.
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Murphy-Kaulbeck, L.
Nolan, M. (Chair)
Penney, L.
Pottle, R.
Pulinilkunni, T.
Slamovits, C.
Travers, A.

Ex officio: President, Dean, Associate and Assistant Deans, Faculty Secretary, President of Medical Students' Society, President of PARI-MP, and Graduate Student Society Representative.

Medical Neuroscience

Location:

Building/Room: Sir Charles Tupper Medical Building

Street Address 1: 5850 College Street

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P.O. Box: 15000

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Introduction

The Department of Medical Neuroscience fosters research and training in neuroscience that advances the understanding and treatment of diseases of the nervous system. Our faculty members contribute to undergraduate neuroscience courses in the Faculty of Science including NESC 3440 (Human Neuroanatomy) and NESC 4070 (Chemical Neurobiology)

The Department of Medical Neuroscience is also the home for Anatomy at Dalhousie University, at the undergraduate level offering courses in basic anatomy and histology.

Staff

Dean

Marrie, T., MD

Dr. D.G.J. Campbell Professor and Head of Department

Baldrige, W. H., BSc (Toronto), PhD (McMaster)

Professors

Baldrige, W. H., BSc (Toronto), PhD (McMaster)

Bance, M., MSc, BSc, MB, ChB., FRCS (c) (Manchester)

Brownstone, R. M., BSc, MD, PhD (Manitoba), FRCS (c)

Clarke, D. B., MDCM, PhD, FRCSC (McGill)

Currie, R. W., BSA, MSc, PhD (Manitoba)

Darvesh, S., MD (Dalhousie), PhD (UNB)

Friedman, A., BSc, MD, PhD (Ben-Gurion)

Hopkins, D., MA, PhD (McMaster), Post retirement appointment

Kablar, B., MD, PhD (Zagreb, PISA)

Kovacs, G., MD (Dalhousie), MHPEC (University of Illinois), FRCPC (Western)

Morris, S., MSc, FRCSC, MD (Ottawa)

Neumann, P. E., BA, MD (Brown)

Perrot, T. S., BSc, PhD (Western)

Rafuse, V. F., BSc (Acadia), PhD (Alberta)

Rutherford, J. G., BA (Cornell), MS (Syracuse), PhD (SUNY), Post retirement appointment

Semba K., BEd, MA (Tokyo), PhD (Rutgers), Graduate Studies Coordinator

Schmidt, M., BSc (Toronto), MD (Toronto), FRCPC (UPEI)

Wassersug, R. J., BSc (Tufts), PhD (Chicago), Post retirement appointment

Associate Professors

Allen, G. V., BSc, PhD (Dalhousie)

D'Arcy, R., BSc (Victoria), MSc, PhD (Dalhousie)

Sinha, G., MBBS (Banaras)

Assistant Professors

Akay, T., BEng (Egirdir-Turkey), Diploma (Bielefeld-Germany), PhD (Cologne-Germany)

Iulianella, A., BSc (McGill), PhD (Montreal)

McCarthy, F., BA, MA (UNB), PhD (McGill)

Rot, I., BSc, MSc (Belgrade), PhD (Dalhousie)

Zhang, Y., BSc, MSc (Beijing), PhD (Cornell)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ANAT 1010 Basic Human Anatomy

CREDIT HOURS: 3

This course is offered by the Department of Medical Neuroscience primarily to students in the Schools of Nursing (Section 01). A limited number of seats are available for Special Health Professions, Arts and Science, or Non-Degree students. Note that this course is also offered by DISTANCE EDUCATION (ANAT 1010.03, Section 02) during the Regular Term (Fall or Winter). Upon successful completion of the course, the student will be able to explain and describe, at a basic level, the gross anatomy and histology of the human body. This course uses an online Virtual Anatomy Laboratory.

NOTES: Please note that the Distance Anat 1010 section 02 course is unrestricted and open to all students.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Section 01 is restricted to Nursing students and a limited number of seats are available for Special Health Professions, Arts & Science, or Non-Degree students.

ANAT 1020 Basic Human Anatomy

CREDIT HOURS: 3

This course is offered by the Department Medical Neuroscience primarily to student in Recreation, Physical and Health Education and Kinesiology. A limited number of seats are available for Special Health Professions, Arts & Science, or Non-Degree students. Note that this course is also offered by DISTANCE EDUCATION (ANAT 1010.03, Section 02) during the Regular Term (Fall or Winter). Upon successful completion of this course, the student will be able to explain and describe, at a basic level, the gross anatomy and histology of the human body. This course uses an online Virtual Anatomy Laboratory.

NOTES: This course is NOT offered during the summer term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to student in Recreation, Physical and Health Education and Kinesiology. A limited number of seats are available for Special Health Professions, Arts & Science, or Non-Degree students.

ANAT 1040 Basic Human Anatomy for Pharmacy Students

CREDIT HOURS: 3

This course is offered by the Department of Medical Neuroscience to students in the College of Pharmacy. Upon successful completion of the course, the student will be able to explain and describe, at a basic level, the gross anatomy and histology of the human body. There are no formal laboratory sessions.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: Restricted to Pharmacy students

ANAT 2160 Introduction to Human Histology

CREDIT HOURS: 3

Histology is the study of the structure of cells, tissue and organ systems, and utilized information derived from both light and electron microscopy. This course complements studies in anatomy, cell biology, physiology, and biochemistry, broadening the understanding of how organisms function.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 2
LAB HOURS PER WEEK: 2
PREREQUISITE: BIOL 2020.03 or permission of instructor
CROSS-LISTING: BIOL 3430.03

ANAT 3421 Comparative Vertebrate Histology

CREDIT HOURS: 3

An advanced histology course surveying the whole range of vertebrate tissues and organs. The material is approached from a comparative perspective, considering tissue and organ histology throughout the major vertebrate courses.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOL 3430.03 or ANAT 2160.03 or equivalent

CROSS-LISTING: BIOL 3421.03

Pharmacology

Location:

Building/Room: Sir Charles Tupper Medical Building

Street Address 1: 5850 College Street

Street Address 2: 6B3, 6th Floor

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3435

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Website: pharmacology.medicine.dal.ca/

Email Address: pharmacology@dal.ca

Introduction

Pharmacology is the study of the actions and fates of drugs in biological systems. Studies of the interaction of drugs with their receptors and the elucidation of the cellular mechanisms underlying the resulting responses are central to Pharmacology. It is also important to understand how drugs are handled in the body, why they produce adverse effects, and how they interact with each other. In addition, scientists often use drugs as tools to determine the basic mechanisms that underlie both normal and pathological conditions in biology. A solid understanding of the principles of Pharmacology is essential for any scientist who wishes to use drugs as tools properly. The experimental approaches used in Pharmacology are varied, ranging from bioassay, electrophysiology, chemical and biochemical analyses to molecular biology.

Degree Programs

Students intending to pursue graduate training in Pharmacology are encouraged to study pharmacology at the undergraduate level. In addition, a solid background in pharmacology can open the door to employment in numerous sectors, most notably the pharmaceutical industry. The Department of Pharmacology does not offer an honours pharmacology degree program as such. However, it does provide courses that may be taken for credit within various other honours degree programs, including Biology, Biochemistry, Psychology (Neurosciences) and Microbiology and Immunology. In addition, students can conduct honours thesis research projects in the laboratories of Pharmacology faculty. Finally, undergraduate students may, with permission of their home department and the course instructor, take certain graduate specialty courses which are offered in the Department of Pharmacology.

Staff

Dean

Marrie, T., MD

Professors Emeriti

Gray, J. D., BSc, MD (Alta), FRCP(c)

Renton, K. W., BSc (Sir Geo Wms), PhD (McGill)

Robertson, H. A., BA, MSc (Western), PhD (Cantab)

Ruedy, J., MDCM (Queen's), FRCP(c), FACP

Vohra, M. M., BPhm, MPhm, PhD (Banaras)

White, T. D., BSc, MSc (UWO), PhD (Bristol)

Professor and Head of Department

McMaster, C. R., BSc (Hons), PhD (Manitoba)

Professors

Denovan-Wright, E. M., BSc, PhD (Dalhousie)

Howlett, S. E., BSc (Concordia), MSc, PhD (Memorial)

Kelly, M. E. M., BSc, PhD (Southampton)

McDougall, J. J., BSc (Hons), PhD (Glasgow U Scotland)

Pasumarthi, K. B. S., DVM (India), PhD (Manitoba)

Robertson, G. S., BSc, PhD (Dalhousie)

Sawynok, J., BSc, MSc (Melb), PhD (Queen's)

Sinal, C., BSc, (McMaster), PhD (Western)

Associate Professors

Dupré, D. J., BSc, PhD (Sherbrooke)

Fawcett, J., BSc, MSc, MSc (T) (McMaster), PhD (McGill)

Rashid, S., BSc (Saskatchewan), MSc, PhD (Toronto)

Assistant Professors

Brunt, K. R., BSc Hons (Saskatchewan), PhD (Queen's)

Langille, M. G., BSc (New Brunswick), PhD (Simon Fraser University)

Pelis, R., BSc, MSc (U of Massachusetts), PhD (U of Connecticut)

Cross Appointments

Acott, P., Bc (UNB), MD (Dalhousie) Major appointment in Pediatrics

Gardner, E. L., AB (Harvard), MA, PhD (McGill)

Goralski, K., BSc, PhD (Manitoba), Major appointment in College of Pharmacy

Grandy, S. A., BScK, MSc, PhD (Dalhousie) Major appointment in School of Health and Human Performance

Hall, R. I., BSc Pharm, MD (Dalhousie), FRCP (C), FCC, Major appointment in Department of Anesthesia

Hung, O. R., BSc Pharm, MD (Dalhousie) FRCP (C), Major appointment in Department of Anesthesia

Lehmann, C., MD (Humboldt U Berlin), Major appointment in Anesthesia

Lynch, M. E., BSc, MD (Dalhousie), FRCPC, Major appointment in Department of Anesthesia

Manchia, M., MD, PhD (Cagliari, Italy). Major appointment in Psychiatry

Pohlmann-Eden, B., MD, PhD (U of Heidelberg, Germany), Major appointment in Neurology

Pollak, P. T., MD, PhD (Western Ontario), Major appointment in Pharmacology and Cardiac Services, U of Calgary

Rupasinghe, H. P. V., BSc (U of Peradeniya, Sri Lanka), MSc (Iowa State U., USA), PhD (Guelph), Major appointment in Faculty of Agriculture

Rusak, B., BA (Toronto), PhD (Berkeley), Major appointments in Departments of Psychiatry and Psychology

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

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Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

PHAC 1470X/Y Pharmacology for Pharmacy

CREDIT HOURS: 6

This class will provide an introduction to pharmacology, emphasizing basic mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism.

COORDINATORS: R. Pelisi, J. McDougall

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 1040.06, MICR 1050.03, PHYL 1400.06

PHAC 3001 Pharmacology I

CREDIT HOURS: 3

This course introduces students to pharmacology, the study of the interaction of drugs and toxins with the human body. Topics include drug receptors, metabolic transformation and distribution of drugs. Lectures explore the action of clinical agents used to treat cardiovascular diseases, neurological diseases, pain, and cancer. Experts in the various fields of pharmacology present the different topics.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2020 or instructor's consent. A course in Biochemistry or Physiology is recommend.

RESTRICTIONS: Restricted to third year and above

EXCLUSIONS: PHAC 5406, BIOC 4804, BIOL 4404, NESC 4374

PHAC 4001 Pharmacology II

CREDIT HOURS: 3

This course is designed to follow Pharmacology I, with further learning on the interaction of drugs and toxins with the human body. Topics include cell signaling, pain, hormones, special population pharmacology, chemical carcinogenesis, immunopharmacology, drugs of abuse, epilepsy and multiple sclerosis. Experts in various fields of pharmacology present the different topics.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHAC 3001 or instructor's consent

RESTRICTIONS: Restricted to third year or above

EXCLUSIONS: PHAC 5409, BIOC 4806, BIOL 4407, NESC 4376

Physiology and Biophysics

Location:

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Introduction

The Department of Physiology and Biophysics offers a wide range of undergraduate courses in addition to those restricted to students in the faculties of Medicine, Dentistry and Health Professions. Students who have previously taken biology, chemistry, physics will be best equipped to study physiology.

The courses listed below are aimed at providing the student with an understanding of the functioning of the human body. The Distance Education course PHYL 1000X/Y.06 is open to all students. PHYL 2041.03 and/or PHYL 2032.03 is/are the recommended prerequisite for science students interested in taking higher level physiology courses. Students wishing to enrol in other specialized courses require permission from the Course Director.

Staff

Dean

Marrie, T., MD

Head of Department

Morgunov, N., MSc, PhD

Undergraduate Student Advisor

Chappe, V., Licence Maîtrise (Université de la Méditerranée-Marseille), Diplôme d'Etudes Approfondies, PhD (Université de Provence-Marseille, France)
Penney, C., BSc, PhD (Dalhousie)

Professors

Barnes, S. A., PhD (Berkeley)
Brown, R. E., BSc (Victoria), MA, PhD (Dalhousie) - Major appointment in Department of Psychology and Neuroscience
Chauhan, B., PhD (Wales) - Major appointment in Department of Ophthalmology and Visual Sciences
Cowley, E. A., BSc (London), PhD (Leicester)
Croll, R. P., BSc (Tufts), PhD (McGill)
Fine, A., AB (Harvard), VDM, PhD (Penn)
French, A. S., MSc, PhD (Essex)
Henzler, D., MD (Hannover), PhD (Aachen) - Department of Anesthesia
Linsdell, P., BSc (London), PhD (Leicester) - Undergraduate Coordinator
McDonald, T. F., BSc (Alta), PhD (Dalhousie), DIC (Imperial College)
Meinertzhagen, I. A., BSc (Aberdeen), PhD (St. Andrews) - Major appointment in Department of Psychology and Neuroscience
Murphy, P. R., MSc, PhD (Dalhousie)
Schmidt, M., MD (Munich) - Major appointment in Department of Anesthesia
Torkkeli, P. H., BSc, MSc, LcSc (Oulu), PhD (Alberta)

Associate Professors

Anini, Y., BSc (Agadir), MSc, PhD (Pierre & Marie Curie University, France)
Carrey, N., MD (Toronto) - Major appointment in Department of Psychiatry
Chappe, V., Licence Maîtrise (Université de la Méditerranée-Marseille), Diplôme d'Etudes Approfondies, PhD (Université de Provence-Marseille, France)
Krueger, S., PhD (Zurich)
Morgunov, N., BSc, MSc, PhD (Toronto)
Murphy, M. G., BSc, MSc, PhD (Dalhousie)
O'Blenses, S., BSc (Mt. A), MSc (Toronto), MD (Dalhousie), FRCS (C) - Major appointment in Department of Surgery
Rose, R., BSc, MSc, PhD (Calgary), Graduate Student Coordinator
Tremblay, F., BSc, PhD (Montreal) - Major appointment in Department of Ophthalmology and Visual Sciences
Wang, J., PhD (State Univ of NY) - Major appointment in School of Human Communication Disorders

Assistant Professors

Chen, R., BSc, MD (Dalhousie), FRCP (C) - Major appointment in Department of Pediatrics
Dong, X., PhD (University of Science and Technology of China)
Quinn, T. A., BSc (McGill), MSc, MPhil, PhD (Columbia)
Sapp, J. L., BSc (Toronto), BSc Med, MD (Dalhousie), FRCP(C) - Major appointment in Department of Medicine

Adjunct Professors

Kane, D. A., BS (Magna cum Laude), MS (Northern Michigan University), PhD (East Carolina University), St. Francis Xavier University
Luhovyy, B., MS, BSc, PhD (Lviv Ivan Franko National University, Ukraine), Mount St. Vincent University
Pavlov, E., MSc (Moscow State University), PhD (Institut. of Theor. & Exp. Biophysics, Russia)

Senior Instructor

Penney, C., BSc, PhD (Dalhousie)

Instructor

Beaudoin, M. -S., BSc (McGill), MSc, PhD (Guelph)

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

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Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

PHYL 1000X/Y Human Physiology

CREDIT HOURS: 6

A full-credit Distance Education course equivalent to PHYL 1010X/Y.06. The functions of body organs and body systems, as well as integrative functions of the whole organism are studied. The course is based on a selected textbook and is supported by extensive blackboard content including a step-by-step guide, learning objectives, assignments, and virtual laboratories. The course is normally given in the Regular session (Sept - Apr), as well as in the Summer session (May - June, PHYL 1000). Distance Education courses have an additional fee over and above the listed tuition fees. DIRECTOR: C. Penney

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PHYL 1010X/Y Human Physiology

CREDIT HOURS: 6

This is a full-credit introductory human physiology course equivalent to PHYL 1000X/Y.06. The functions of body organs and body systems, as well as integrative functions of the whole organism are studied. This course is intended primarily for students in the Health Professions.

DIRECTOR: C. Penney

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term. This course cannot be used as a prerequisite course for 3rd and 4th year physiology courses, nor as a co-requisite for PHYL 2570.03 (Cellular Neurophysiology).

FORMAT: Lecture| Lab

ASSESSMENT METHOD: Four examinations of multiple-choice format

PHYL 1400X/Y Human Physiology

CREDIT HOURS: 6

This course is designed to give Pharmacy students a broad understanding of normal human physiology using pathophysiologic scenarios. Selected topics in physiology and biophysics will be presented in tutorials as case studies and in lectures. The central themes include: respiratory, endocrine/reproductive, gastrointestinal, neuromuscular, nervous system, renal and cardiovascular. Students will be provided with means for self-evaluation throughout the unit. Evaluation will be based on tutorial performance as well as mid- and end-of-unit examinations. This course is only for Pharmacy students. DIRECTOR: M. Murphy

FORMAT: Lecture| Tutorial

PREREQUISITE: ANAT 1040.03

PHYL 2031 Human Neurophysiology

CREDIT HOURS: 3

The aim of this class is to understand the functional mechanisms of the human nervous and muscular systems, together with their clinical significance. The class covers the electrical and chemical properties of neurons and glia, and how neurons communicate with one another and with muscle cells. The physiology of skeletal, smooth and cardiac muscles will also be covered. It will review the motor, sensory and higher integrative functions of the central nervous system, and the closely related autonomic nervous system. It will survey the physiology and functional anatomy of the somatosensory, visual, auditory, vestibular and chemical senses. Both normal functions and selected pathologies of these systems will be discussed. The class also surveys important investigative techniques in neuroscience and includes a laboratory component. The overall objective is to provide a solid, factual foundation of knowledge in nerve and muscle physiology as well as their underlying principles.

PREREQUISITE: BIOL 1010.03 (or BIOL 1020.03) and BIOL 1011.03 (or BIOL 1021.03) and CHEM 1012 or CHEM 1022 or equivalent

EXCLUSIONS: PHYL 2030.06

PHYL 2032 Human Systems Physiology

CREDIT HOURS: 3

The aim of this class is to explain how six such organ systems (respiratory, cardiovascular, renal, gastrointestinal, endocrine and reproductive) function to allow us to live and carry out our daily activities. Although the emphasis is on normal function there is also discussion of selected pathologies. An accompanying laboratory

component underscores the clinical relevance of the physiology taught in lecture. Director: N. Morgunov
PREREQUISITE: BIOL 1010.03 (or BIOL 1020.03) and BIOL 1011.03 (or BIOL 1021.03) and CHEM 1012 or CHEM 1022 or equivalent
EXCLUSIONS: PHYL 2030.06

PHYL 2041 Human Neurophysiology

CREDIT HOURS: 3

The aim of this class is to understand the functional mechanisms of the human nervous system and its clinical significance. The course covers the electrical and chemical properties of neurons and glia, and how neurons communicate with one another and with muscle cells. It reviews the motor, sensory and higher integrative functions of the central nervous system, and the closely related autonomic nervous system. It also surveys the physiology and functional anatomy of the somatosensory, visual, auditory, vestibular and chemical senses. Both normal functions and selected pathologies of these systems will be discussed. The class also covers important investigative techniques in neuroscience. The overall objective is to provide a solid, factual foundation of knowledge in neurophysiology as well as its underlying principles.

NOTES: PHYL 2041, a core neurophysiology class for students in the Medical Sciences program, serves as equivalent to NESC 2470.03 as prerequisite for upper level NESC courses. Medical Sciences students intending to take NESC 2470.03 in place of PHYL 2041 are advised to also enroll in NESC 2570 as a Selective. Directors:

A.A. French and P. Torkkeli

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: (BIOL 1010.03 or BIOL 1020.03) and (BIOL 1011.03 or 1021.03) and (CHEM 1012.03 or CHEM 1022.03), or SCIE 1500, or equivalent

EXCLUSIONS: NESC 2470.03, PHYL 2031.03, PHYL 2030.03

PHYL 2570 Cellular Neurophysiology

CREDIT HOURS: 3

This course provides an introduction to the function of the nerve cells of the brain, which forms the basis for explaining features of brain function in terms of activity of individual cells and their membrane properties, as well as small networks of neurons. The course is designed for all students wishing to take more advanced courses in, or to major in, Neuroscience. Although the course covers topics of neuroscience at all levels, the content is directed towards cellular neuroscience; detailed coverage of the strictly developmental systems or molecular levels of neuroscience is provided in other courses. DIRECTOR(S): S. Adamo and S. Barnes

FORMAT: Lecture

PREREQUISITE: PSYO 2470.03 or NESC 2470.03 or PHYL 2041.03 or permission of the class director

CROSS-LISTING: NESC 2570.03, PSYO 2570.03

PHYL 3120 Exercise Physiology in Health and Disease

CREDIT HOURS: 3

The function and dysfunction of body organ systems are reviewed, and the short- and long-term responses of these systems to physical exercise are analyzed. Factors affecting physical performance are considered, and the preventive and therapeutic use of exercise for a wide range of clinical conditions is examined. DIRECTOR: T.F. McDonald

FORMAT: Lecture| Tutorial

PREREQUISITE: PHYL 2041.03 and 2032.03 or permission of the class director

PHYL 3320 Human Cell Physiology

CREDIT HOURS: 3

Events at the cellular and molecular level determine the activities of tissues, organs, and systems. This course examines key physiological principles at the cellular level, and uses this information to develop understanding of important body functions. Lectures focus on signaling within individual cells, membrane transport, electrical excitability and electrical signaling, communication between cells, muscle contractility, and epithelial transport. DIRECTOR: P. Linsdell

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYL 2041.03 or permission of course director

PHYL 3420 Sensory Physiology

CREDIT HOURS: 3

This course will describe the physiological and biophysical basis of human sensory systems including vision, audition, vestibular, olfaction, gustation, and somatosensory (skin and proprioception). Emphasis will be on the transduction of physical stimuli and the early neural processing that occurs in sensory cells and immediately associated tissues. DIRECTOR: S. Barnes and guest lecturers

FORMAT: Seminar

PREREQUISITE: NESC 2470 or PHYL/NESC 2570 or equivalents

PHYL 3520 Core Concepts in Medical Physiology

CREDIT HOURS: 3

Through didactic (lectures) and problem-solving (tutorial) sessions, students will gain a deeper understanding of the functions of various organ system physiologies. In addition, the integration of a number of organ system functions will also be discussed. Where appropriate, the physiology of disease processes will underscore the consequences of a malfunction of a physiological process. Organ systems covered include cardiovascular, renal, respiratory and gastrointestinal. A firm understanding of physiological principles is essential for any student contemplating a career in the health professions. DIRECTOR: N.S. Morgunov

FORMAT: Lecture| Tutorial

PREREQUISITE: PHYL 2032.03 or permission of course director

PHYL 4000 Current Advances in Synaptic Function and Plasticity

CREDIT HOURS: 3

Key recent research studies in cellular and system neurophysiology are presented and discussed. Emphasis is placed on synaptic function, and plasticity, excitability, dendritic integration, neural networks and relevant advances in experimental methods. Newly published papers within these areas are reviewed weekly, followed by a more extensive critique of two publications. Directors: S. Krueger and A. Fine

FORMAT: Seminar

PREREQUISITE: NESC 2570/PHYL 2570 or permission of course directors

CROSS-LISTING: NESC 4185.03

PHYL 4324 Endocrine Physiology

CREDIT HOURS: 3

This course is designed to provide intermediate and advanced undergraduates with a basic understanding of the function of the endocrine system. The course will progress from a consideration of basic concepts and mechanisms to the physiological function of specific endocrine systems. Interactions between organ systems will be emphasized. DIRECTOR: P.R. Murphy

PREREQUISITE: PHYL 3320.03 or permission of the class director

PHYL 4328X/Y Directed Project in Physiology

CREDIT HOURS: 3

This course allows the advanced undergraduate student to pursue more specialized training. A student wishing to take this course must find a faculty member who is prepared to supervise a directed project. Before registering for this course, a student must provide the Course Director with a letter from the faculty member describing the project and agreeing to serve as supervisor. Class approval will not be given until this is done. DIRECTOR: TBA

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: PHYL 2041.03 and 2032.03 or permission of the course director

PHYL 4504 Respiratory Physiology

CREDIT HOURS: 3

This class will provide a detailed overview of key concepts in respiratory physiology. Attention will be given to aspects of integrated physiology, as well as cellular and molecular concepts. Particular reference will be given to pulmonary diseases. Students will be expected to make presentations based on appropriate literature. Specific topics to be covered include: mechanics of breathing; gas exchange; gas transport; ventilation-perfusion ratios; pulmonary function testing; blood flow and metabolism; airway epithelial cells and transepithelial transport; mechanisms of airways host defence; control of ventilation; respiratory system under stress; cardiopulmonary response to aerobic exercise. Director: E.A. Cowley

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: PHYL 2032.03

PHYL 4680 Cardiovascular Physiology

CREDIT HOURS: 3

This course provides an overview of key principles of cardiovascular physiology. Topics include cardiac anatomy/ultrastructure, cardiac pump-function, cardiac electrophysiology, excitation-contraction coupling, cardiac mechanics, cardiac energy metabolism and regulation of the vasculature. Cardiac diseases will be addressed.

Director: R. Rose

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: One of PHYL 3320 or PHYL 3520 or permission of the course director

EXCLUSIONS: PHYL 4326

Faculty of Science

Location:

Building/Room: Life Sciences Centre (Biology)

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Website: www.dal.ca/science

Email Address: science@dal.ca

Introduction

Dalhousie's Faculty of Science is the primary centre in the region for science education and research. The principal mission of the Faculty is the discovery, organization, dissemination and preservation of knowledge and understanding of the natural world. The Faculty is dedicated to excellence in the pursuit of this mission. Students in the Faculty of Science develop a capacity for inquiry, logical thinking and analysis; cultivate an ability to communicate with precision and style; and acquire skills and attitudes for lifelong learning.

We offer students the opportunity to pursue undergraduate degrees in 15 different Science programs, including disciplines in the life sciences, physical sciences, and mathematical or economic sciences. In addition, students may combine studies across science disciplines, or with subject areas from other faculties, including the Faculty of Arts & Social Sciences, the Faculty of Computer Science or the College of Sustainability. Other opportunities include the Co-op Education in Science option, where paid work terms are integrated into academic programs, opportunities to participate in research projects led by internationally renowned scientists, and the chance to work toward Certificates that recognize particular skill sets or training obtained as part of a science undergraduate education.

Details concerning particular programs of study are found in the departmental and program entries.

Departments and Programs of the Faculty of Science

The Faculty of Science offers 15 undergraduate programs:

- Biochemistry and Molecular Biology * °
- Biology °
- Chemistry °
- Earth Sciences °
- Economics °
- Environmental Science °
- Marine Biology °
- Mathematics
- Medical Sciences **
- Microbiology and Immunology *°
- Neuroscience
- Ocean Sciences
- Physics °
- Psychology
- Statistics

* Departments belong to the Faculty of Medicine

** Offered in cooperation with the Faculty of Medicine

° Co-operative Education option available

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Associate Dean (Academic)

Walde, S., PhD (Calgary), Professor (Biology)

Associate Dean (Research)

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MacIvor, D., Telephone: 902 494-8443

Development Officer

Tracy, S., BSc (Dalhousie), Telephone: 902 494-3545

Co-operative Education in Science

The Co-op Program allows students to alternate three, career-focused work terms with study terms and receive a co-op degree designation upon graduation. Co-op enables students to apply what they learn in class to real-world work situations and then apply what they learn at work to their classroom studies, thereby enriching their learning. It also helps students to learn more about their career options by test-driving different work environments before they graduate.

Co-op is available to students in many of our BSc (120 credit hour) Honours or Major programs. Interested students normally apply to join Co-op at the end of their first year of study.

Further details are available from departmental Co-op Academic Advisors and from [S.I.T.E.](#)

Certificates

Certificates in Science

Certificates are one way that the Faculty of Science recognizes graduating students who have achieved a level of proficiency or specialization in a particular area or subject. Certificates are awarded upon graduation from a degree program and will be recorded on the student's academic transcript.

Certificates vary in their goals and requirements. Many have a research or practicum component. Some are interdisciplinary, requiring work in more than one department, while others focus on a specialization within a single program. Some Certificates are designed for students enrolled in particular programs, while others are broadly applicable to students in any science program.

In Certificate programs, students enrol by applying to the Certificate Coordinator. Interested students are advised to enrol early in their programs of study, but enrolment is usually also permitted in the final year of study, provided requirements have been met. To be awarded a Certificate, students must notify the Coordinator of their intention to graduate, and provide evidence of completion of all Certificate requirements, prior to the end of the examination period of their final year. Some Certificate programs may require earlier notification; please check with your Coordinator.

Faculty of Science students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section of the calendar.

The following Certificates are offered by the Faculty of Science. Students enrolled in one of the programs listed beside the Certificate are most likely to be able to meet the Certificate requirements within their programs. Specific Certificate requirements are described below.

- Certificate in Actuarial and Financial Mathematics (Mathematics, Statistics)
- Certificate in Animal Behaviour (Biology, Psychology)
- Certificate in Applied and Computational Mathematics (Mathematics, Statistics)
- Certificate in Environmental Impact Assessment (Biology, Environmental Science)
- Certificate in Genetics (Biochemistry & Molecular Biology, Biology, Microbiology & Immunology)
- Certificate in Geographic Information Science (Biology, Earth Sciences, Environmental Science)
- Certificates for Geoscientists: Geology, Environmental Geoscience (Earth Sciences)
- Certificate in Information Technology (Earth Sciences, Physics)
- Certificate in Materials Science (Chemistry, Physics, Earth Sciences)
- Certificate in Medicinal Chemistry (Chemistry)
- Certificate in Science Leadership and Communication (any 4-year Faculty of Science program)

Certificate in Actuarial and Financial Mathematics

Offered by: Mathematics & Statistics

Coordinator: Dr. Toby Kenney (tkenney@mathstat.dal.ca) (Mathematics and Statistics)

This program provides many of the learning objectives and fundamental mathematical and statistical skills required to complete the classes (and examinations) of the Society of Actuaries accreditation program. Students who are interested in a career in actuarial science should consult the Basic Education Catalogue on the Society of Actuaries web page (www.soa.org) or the Syllabus of Basic Education on the Casualty Actuaries website (www.casact.org). This program also prepares students for employment in general financial institutions where modeling, quantitative risk analysis, management of investment instruments, asset and liability management, life contingencies and insurance assessment, and other complex financial calculations are required. You must register your intent to complete the requirements with the Certificate Coordinator before graduation.

Certificate Requirements:

1. Completion of a 120 credit hour Major or Honours program in Mathematics and/or Statistics
2. Completion of the following mathematics courses:

MATH 1000, MATH 1010, MATH 2001, MATH 2002, MATH 2030, MATH 2600

Completion of the following statistics courses:
STAT 2060, STAT 2080, STAT 3340 and STAT 3360

Completion of either:
Financial Option: MATH 2102, MATH 3300, and MATH 3900

OR

Actuarial Option: STAT 3703, STAT 3720, and STAT 4390

Certificate in Animal Behaviour

Offered by: Biology, Psychology and Neuroscience

Coordinator: Dr. Cindy Staicer cindy.staicer@dal.ca

The Certificate in Animal Behaviour provides students with an opportunity to specialize in Animal Behaviour through a set of courses and a research project. Students enroll in the Certificate during their third or fourth year of studies when they obtain approval of their research topic from the Certificate Coordinator. It is the responsibility of the student to complete the courses specified, and to provide the Certificate Coordinator with confirmation that the necessary courses have been taken, by mid-April of their graduating year.

Certificate requirements:

1. A minimum grade of a B- is required in four mandatory courses:

- PSYO 2160.03/NESC 2160.03
- PSYO 2501.03 or STAT 2080.03
- BIOL 3062.03 or PSYO 3162.03/NESC 3162.03
- BIOL 3630.03 or NESC 3161.03/PSYO 3161.03

2. A grade of B- in 12 credit hours of courses chosen from the following list. Six credit hours must be at the 3000/4000 level.

2000 level

- ANSC 2003.03 Companion Animal Behaviour
- PSYO 2140.03/NESC 2140.03 Learning
- PSYO 2470.03/NESC 2470.03 Systems Neuroscience

3000 level

- BIOL 3327.03: Entomology
- BIOL 3622.03: Ornithology
- BIOL 3067.03: Ecology and Evolution of Fishes
- BIOL 3626.03: Field Studies of Marine Mammals
- BIOL 3632.03: Applied Field Methods in Fish Ecology
- PSYO 3000.06/NESC 3000.06: Independent Research in Modern Psychology (Animal Behaviour topic)
- PSYO 3001.03/NESC 3001.03: Directed Research Project in Psychology (Animal Behaviour topic)
- PSYO 3043.03/NESC 3043.03: Neurobiology and Learning
- PSYO 3044.03/NESC 3044.03: Laboratory Methods of Learning and Conditioning
- PSYO 3162.03/NESC 3162.03: Advanced Animal Behaviour
- PSYO 3165.03/NESC 3165.03: Neuroethology
- PSYO 3170.03/NESC 3170.03: Hormones and Behaviour
- PSYO 3180.03/NESC 3180.03: Psychoneuroimmunology/Ecological Immunology
- PSYO 3670.03/NESC 3670.03: Genes, Brain and Behaviour

4000 level

- PSYO 4160.03/NESC 4160.03: Topics in Behavioural Biology
- BIOL 4060.03: Marine Mammalogy
- BIOL 4323.03: Biologging in Ecology
- BIOL 4800.06: Special Topics (Animal Behaviour topic)
- BIOL 4806.03, BIOL 4807.03: Special Topics (Animal Behaviour topic)

3. A grade of B- in 3 credit hours or more of independent research in Animal Behaviour.

Students must obtain approval of their research topic from a Certificate Coordinator prior to the start of the research course. Animal behaviour research projects may be completed through one or more of PSYO 3000.06/NESC 3000.06, PSYO 3001.03/NESC 3001.03, PSYO 4500.06/NESC 4500.06, BIOL 4800.06, BIOL 4806.03, BIOL 4807.03, or BIOL 4900.06.

Honours students may fulfill this requirement by conducting their honours thesis research on a topic in Animal Behaviour. Students are encouraged to further develop their study design and analysis skills by taking additional courses such as BIOL 4061.03 (Design of Biological Experiments) or BIOL 4062.03 (Analysis of Biological Data).

The Certificate Coordinator will enroll students in the Certificate program at the same time they seek approval of their research topics.

Please note: Students must inform the Certificate Coordinator when they are planning to graduate in order to receive their Certificate.

Certificate in Applied and Computational Mathematics

Offered by: Mathematics & Statistics

Coordinator: Dr. P. Selinger selinger@mathstat.dal.ca

This program is concerned with the development of the core mathematical and computational skills required in science, government and industry. Areas of application include everything from mathematical modeling to operations research to cryptography to software development. Students who intend to fulfil the requirements should contact the Certificate Coordinator prior to graduation.

Certificate Requirements:

1. Completion of the 120 credit hour Major or Honours program in Mathematics or an equivalent program
2. Completion of the following mathematics courses: MATH 1000, MATH 1010, MATH 2001, MATH 2002, MATH 2030, MATH 2040, MATH 2112/CSCI 2112, MATH 2120
3. Completion of at least four of: MATH 3120, MATH 3210, MATH 3260, MATH 3300, MATH 3330, MATH 3400
4. Completion of at least two of: MATH 4116, MATH 4220, MATH 4230, MATH 4250, MATH 4320

Additional recommended courses: MATH 2300, STAT 2060, STAT 2080

Certificate in Environmental Impact Assessment

Offered by: Biology, Environmental Science, Marine Biology

Coordinator: Dr. Pat Lane patricia.lane@dal.ca

The Certificate in Environmental Impact Assessment is for Faculty of Science students interested in, or majoring in environmental areas, who wish to pursue additional training in EIA. This certificate is also available for students in International Development Studies (IDS) in the Faculty of Arts and Social Sciences, Faculty of Management, and the College of Sustainability. Students must have a minimum grade of B for all courses counted toward the certificate.

The Certificate requires a total of 24 credit hours as follows:

1. Required EIA course: BIOL 4001.03/ENVS 4001.03 (3 credit hours) to be taken in fourth year. Note: transfer or online courses are not acceptable substitutes for this requirement.
2. Introductory Science or IDS course (min 3 credit hours) from Table 1
3. Environmental courses with theoretical content from Table 2 (minimum 9 credit hours)
4. Methods courses with field, laboratory, statistical, or modelling experience from Table 3 (minimum 3 credit hours)
5. Supplementary courses in Major or Related Disciplines from Table 4 (minimum 6 credit hours)

Certificate Requirements:

Table 1. Introductory Courses (minimum of 3 credit hours from the following list)

- BIOL 2060.03 Introductory Ecology
- EARTH 2410.03 Environmental Issues in Earth Science
- ENVS 1000X/Y.06 Introduction to Environmental Science
- GEOG 2100 X/Y.06 Environment and Culture (SOSA 2100.06)
- INTD 2001.03 Introduction to Development 1 (GEOG 2201.03)
- INTD 2002.03 Introduction to Development 2 (GEOG 2202.03)
- OCEA 2000X/Y.06 (or OCEA 2001.03 + OCEA 2002.03) The Blue Planet
- SUST 2000.06 Humanity in the Natural World
- SUST 2001.06 Environment, Sustainability and Governance: A Global Perspective

Table 2. Theory-Based courses (minimum of 9 credit hours from the following list)

- BIOL 3060.03 Environmental Ecology
- BIOL 3061.03 Communities and Ecosystems
- BIOL 3062.03 Behavioural Ecology
- BIOL 3063.03/MARI 3063.03 Resource Ecology
- BIOL 3065.03 Conservation Biology
- BIOL 3069.03 Population Ecology
- BIOL 3601.03 Nature Conservation
- EARTH 3400.03 Fundamentals of Hydrogeology
- EARTH 4440.03 Geomorphology and Landscape Evolution
- ENVS 3200.03 Introduction to Environmental Law
- ENVS 3501.03 Environmental Problem Solving I
- ENVS 3061.03/ERTH 3601.03 Global Biogeochemical Cycles
- GEOG 3440.03/ERTH 3440.03 Geomorphology
- INTD 3114.03/GEOG 3114.03 Environment and Development
- MARI 3067.03/BIOL 3067.03 Ecology and Evolution of Fishes
- MARI 3761.03/BIOL 3761.03 Marine Ecology
- MGMT 3702.03 Resource and Environmental Problem Solving 2: Sustainable Industries
- OCEA 3001.03 Introduction to Physical Oceanography
- OCEA 3002.03 Introduction to Chemical Oceanography
- PLAN 3010.03 Urban Ecology
- SOSA 2260.03 Society, Politics and Culture
- SOSA 3060.03 Social Change and Development
- SUST 3000.03 Global Approaches to Environmental Decision-Making

Table 3. Field and Methods-based Courses (minimum of 3 credit hours from the following list)

- BIOL 2601.03 The Flora of Nova Scotia
- BIOL 3003.03/MARI 3003.03 Dynamics of Biological Oceanography
- BIOL 3066.03 Plant Ecology
- BIOL 3221.03/MARI 3221.03 Diversity of Algae
- BIOL 3301.03/MARI 3301.03 Invertebrate Biology
- BIOL 3327.03 Entomology
- BIOL 3615.03/ENVS 3615.03 Methods in Ecology
- BIOL 3620.03 Field Survey of Terrestrial Biodiversity
- BIOL 3622.03 Ornithology
- BIOL 3623.03/ENVS 3623.03/MARI 3623.03 Applied Coastal Ecology
- BIOL 3624.03/ENVS 3624.03 Urban Freshwater Systems
- BIOL 3626.03/MARI 3626.03 Field Studies of Marine Mammals
- BIOL 3630.03 Field Methods in Animal Behaviour
- BIOL 3632.03/ENVS 3632.03/MARI 3632.03 Applied Field Methods in Fish Ecology
- BIOL 3633.03/ENVS 3633.03/GEOG 3633.03 Spatial Information and GIS in Ecology
- BIOL 3634.03 Agroforestry
- BIOL 3664.03/ENVS 3664.03/MARI 3664.03 Intertidal Ecology and Diversity
- BIOL 3665.03 Food Web Assembly and Modeling
- BIOL 3666.03 Species Invasions
- BIOL 3680.03/MARI 3680.03 Scientific Diving Methods for Marine Ecology
- BIOL 3762.03 Terrestrial Ecology

- BIOL 4061.03 Design of Biological Experiments
- BIOL 4062.03 Analysis of Biological Data
- BIOL 4323.03/MARI 4323.03 Biologging in Ecology
- EARTH 3402.03 Practical Hydrogeology
- EARTH 3500.03/ENVS 3500.03/GEOG 3500.03 Geoscience Information Management
- EARTH 4520.03/GEOG 4520.03 GIS Applications to Environmental and Geological Sciences
- EARTH 4530.03/GEOG 4530.03 Environmental Remote Sensing
- ENVS 2000.03 Urban Field School
- ENVS 2100.03 Environmental Informatics
- ENVS 3001.03 Environmental Science Field School
- ENVS 3300.03 Contaminated Site Management
- INTD 3002.03 Development Practice
- INTD 3103.03 Participatory Development: Methods and Practice
- MGMT 3701.03 Resource and Environmental Problem Solving 1: Sustainable Ecosystems
- OCEA 4220.03 Numerical Modelling of Atmospheres and Oceans
- OCEA 4380.03 Marine Modelling
- STAT 3345.03 Environmental Risk Assessment
- SUST 3502.03/ENVS 3502.03 The Campus as a Living Laboratory

Table 4. Higher-level Supplementary Courses (minimum of 6 credit hours from the following list)

- BIOL 4060.03/MARI 4060.03 Marine Mammalogy
- BIOL 4065.03 Sustainability and Global Change
- BIOL 4160.03 Political Ecology
- EARTH 4450.03/GEOG 4450.03 Introduction to Landscape Simulation
- ENVS 3301.03 Enterprise Sustainability
- ENVS 3400.03/GEOG 3400.03 Human Health and Environment
- ENVS 4002.03/BIOL 4002.03 The Science of Wetland Ecosystems
- ENVS 4003.03/MARI 4003.03 Coral Reefs and Environmental Change
- ENVS 4210.03 Administration Environmental Law
- INTD 4013.03 Environmental Conflict and Security
- MGMT 4009.03 Coastal Zone Management
- MGMT 4021.03 Fisheries Management
- MGMT 4031.03 Economics for Resource & Environmental Management
- MGMT 4205.03 Law and Policy for Resource & Environmental Management
- OCEA 4110.03/ERTH 4110.03 Geological Oceanography
- OCEA 4120.03 Physical Oceanography
- OCEA 4130.03 Chemical Oceanography
- OCEA 4140.03 Biological Oceanography (BIOL 4661.03/MARI 4661.03)
- OCEA 4160.03 Fisheries Oceanography (BIOL 4369.03/MARI 4369.03)
- OCEA 4222.03 Estuary, Coast and Shelf Dynamics
- OCEA 4230.03 Biology of Phytoplankton (BIOL 4662.03/MARI 4662.03)
- OCEA 4330.03 Benthic Ecology (BIOL 4666.03/MARI 4666.03)
- OCEA 4335.03/BIOL 4335.03/MARI 4335.03 Environmental Impacts in Marine Ecosystems
- SUST 4000.06 ESS Capstone

Certificate in Genetics

Offered by: Biochemistry & Molecular Biology, Biology, Microbiology & Immunology

Coordinator: Dr. Melanie Dobson melanie.dobson@dal.ca (Biochemistry & Molecular Biology), Elizabeth Welsh ewelsh@dal.ca (Biology), Dr. Lois Murray lois.murray@dal.ca (Microbiology & Immunology)

The Certificate in Genetics provides students with an opportunity to complete a set of courses and research that will accord them recognition of specialization in genetics. Students should enrol in the Certificate in Genetics in their third year of studies when they are seeking approval of the research component by a Genetics Certificate Coordinator.

Note: It is the responsibility of students to complete the required courses, and to provide the Certificate Coordinator with confirmation that the necessary courses have been taken by the end of the examination period in their final year of study.

Certificate requirements:

1. A minimum grade of a B- in four mandatory courses:

- BIOL 2020.03: Cell Biology
- BIOL 2030.03: Genetics and Molecular Biology
- BIOC 2300.03: Introduction to Biochemistry
- BIOC 3400.03: Nucleic Acid Biochemistry and Molecular Biology

2. A minimum grade of B- in 12 credit hours of elective courses chosen from the following list. At least 6 credit hours must be at the 4000 level.

2000 level

- BIOL 2040.03: Evolution

3000 level

- BIOL 3036.03: Transgenic Organisms
- BIOL 3042.03/MARI 3042.03: Molecular Ecology
- BIOL 3044.03: Ecological Genetics
- BIOL 3046.03: Molecular Evolution
- BIOL 3102.03: Microbial Eukaryotes: Biodiversity and Evolution
- MICI 3114.03: Virology
- MICI 3119.03: Physiology of the Prokaryotic Cell
- NESC 3670.03/PSYO 3670.03: Genes, Brain and Behaviour

4000 level

- BIOC 4010.03: Bioinformatics
- BIOC 4027.03/MICI 4027.03: Molecular Mechanisms of Cancer
- MICI 4033.03: Advanced Microbial Genetics
- MICI 4114.03: Advanced Topics in Molecular and Medical Virology
- BIOC 4403.03: Genes and Genomes
- BIOC 4404.03: Gene Expression
- BIOC 4501.03: Medical Biotechnology
- BIOC 4835.03/BIOL 4035.03: Human Genetics

3. Other required courses (prerequisites for BIOC 3400.03)

- CHEM 2441.03, or CHEM 2401.03 and CHEM 2402.03

4. A minimum grade of B- in 3 credit hours or more of independent research in one of the research courses listed below. Research must be on a topic involving microbial, molecular, transmission or population genetics, and must be pre-approved by Certificate Coordinator prior to start of the course.

- BIOC 4001.03
- BIOC 4604.03 and BIOC 4605.03
- BIOL 4806.03/MARI 4806.03
- BIOL 4807.03/MARI 4807.03
- BIOL 4900.06/MARI 4900.06
- BIOL 4901.03/MARI 4901.03 and BIOL 4902.03/MARI 4902.03
- MICI 4700X/Y.06
- MICI 4701.03
- MICI 4702.03
- MICI 4900X/Y.06
- MICI 4901.03 and MICI 4902.03

Certificate in Geographic Information Science (GIS)

Offered by: Earth Sciences, Environmental Sciences, Biology

Coordinator: C. C. Walls ccwalls@dal.ca (Earth Sciences), Dr. C. Staicer cindy.staicer@dal.ca (Biology), Dr. D. Rainham daniel.rainham@dal.ca (Environmental Sciences)

The GIS Certificate program provides training and experience in geographic information science as part of an undergraduate degree program, usually in Earth Sciences, Environmental Science or Biology, and prepares students for further study or employment in the area. The Certificate requires the completion of GIS-related courses and a pre-approved research project that involves work with geographic information systems and geomatics. Students enrol in the GIS Certificate by contacting the Certificate Coordinator. Students may enrol in their second, third or fourth year of study, but early enrolment is advised.

Certificate Requirements:

1. A minimum grade of B- in each of the following courses:

- ENVS 3500.03/ERTH 3500.03/GEOG 3500.03: Geoscience Information Management
- ERTH 4520.03/GEOG 4520.03: GIS Applications to Environmental and Geological Science

2. A minimum grade of B- in a minimum of two of the following courses:

- GEOG 2000.03: Cartography
- GEOG 2006.03: Space, Place and GIS
- BIOL 3633.03/ENVS 3633.03/GEOG 3633.03: Spatial Information and GIS in Ecology
- ERTH 4530.03/GEOG 4530.03: Environmental Remote Sensing
- ENVS 2100.03: Environmental Informatics
- ENVS 3400.03/GEOG 3400.03: Environment and Human Health
- SUST 3000.03: Environmental Decision Making

3. Completion of a research project with an emphasis in geomatics or geographic information science via one of the following sets of courses (minimum grade of B-). Research topics must be pre-approved by the Certificate Coordinator

- BIOL 4900.06/MARI 4900.06 or BIOL 4901.03/MARI 4902.03: Honours Thesis
- BIOL 4806.03/MARI 4806.03 or BIOL 4807.03: Special Topics
- ENVS 3801.03: Directed Readings
- ENVS 4901.03/ENVS 4902.03: Honours Thesis
- ERTH 4100.06: Research Project
- ERTH 4200.06: Honours Thesis
- ERTH 4510.03 or ERTH 4511.03: Directed Studies
- SUST 4800.03: Independent Study
- SUST 4900.06: Honours Thesis

Research Project Guidelines for the Certificate in Geographic Information Science

Students should learn how to design, manage and complete a research project that emphasizes the use of a geographic information system (GIS). Students will identify a suitable research problem and work to solve it through acquiring, organizing, analyzing and presenting data using GIS. A substantive analytical component involving GIS must be included. Projects should be undertaken after all or most of the coursework is completed, i.e., students should already be familiar with GIS concepts and functions, and be proficient in the use of at least one GIS package. Supervision and evaluation of research projects must include input from a professor or GIS technician competent in geographic information science, methods and technologies.

Students enrolled in an undergraduate program other than Biology, Environmental Science, Earth Sciences or the College of Sustainability, may be able to complete the project through a directed readings or honours thesis course listed within their home department. The project must be pre-approved by a Certificate Coordinator.

Certificates in Geoscientists (Earth Sciences students only)

Offered by: Earth Sciences

Coordinator: Milton Graves milton.graves@dal.ca

The Certificates for Geoscientists provide comprehensive sequences of courses intended to prepare a student for the knowledge requirements for registration in the Geology or Environmental Geoscience stream of Professional Geoscience. See the Earth Sciences departmental entry for specific information on the recommended sequence of courses. It is strongly recommended that students discuss their course and program choices with an undergraduate advisor early in their studies. These certificates are restricted to students completing a 120 credit hour Major or Honours degree in Earth Sciences.

Certificate in Information Technology

Offered by: Earth Sciences, Physics

Coordinators: Dr. Laurent Kreplak kreplak@dal.ca (Earth Sciences), Milton Graves milton.graves@dal.ca (Earth Sciences)

The goal of this certificate is to recognize students who have completed courses with a substantial Information Technology (IT) component, and to provide these students with a document to present to potential employers who seek graduates with IT skills. Depending on the program of study, students may work with symbolic calculation packages such as MATLAB or MAPLE, statistical packages such as R or S-Plus, numerical computation or programming languages. Others develop proficiency in web design, or use of database, drawing (e.g., CAD) or GIS software. Experience with a variety of hardware and operating systems experience may further round out the set of skills.

The Certificate in IT is a discipline-based program available to students majoring in Physics or Earth Sciences.

Certificate Requirements (Physics):

- Completion of a 120 credit hour Major or Honours degree program in Physics
- One of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03

Certificate Requirements (Earth Sciences):

- Completion of a 120 credit hour Major or Honours degree program in Earth Sciences
- Completion of the following courses with a minimum grade of B
- EARTH 2001.03
- EARTH 2270.03 or EARTH 3400.03
- EARTH 3000.03
- EARTH 3500.03
- EARTH 4200.03 or EARTH 4100.03
- EARTH 4520.03 or EARTH 4530.03 or EARTH 4450.03
- CSCI 1100.03
- MATH 2300.03 or MATH 2400.03

Certificate in Materials Science

Offered by: Chemistry, Physics and Earth Sciences

Coordinator: Dr. May Ann White mawhite@dal.ca (Chemistry)

The purpose of a Certificate in Materials Science is to show that the graduate has appropriate training in the breadth and depth of materials science within their 120 credit hour Honours or Major program. It is particularly suited for students in Chemistry, Earth Sciences and Physics programs. Students enrol by contacting the Certificate Coordinator. Students may enrol in the second, third or fourth year of their programs, but early enrolment is advised.

Certificate Requirements

1. At least four of the following courses, with a minimum grade of B- in each:

- CHEM 3305.03/PHYC 3303 (or CHEM 3303.03): Materials Science
- CHEM 4502.03: Polymer Science
- CHEM 4311.03: Fundamental and Applied Electrochemistry
- EARTH 2001.03: Earth Materials Science I
- EARTH 2002.03: Earth Materials Science II
- PHYC 3900.03: Introduction to Soft Condensed Matter Physics
- PHYC 4230.03: Introduction to Condensed Matter
- BIOE 4391.03: Polymeric Biomaterials
- BMNG 5110.03: Biocompatibility and Biomaterials Design
- MATL 3500.03: Materials Engineering
- MATL 3510.03: Extraction of Materials
- MATL 3601.03: Structure of Materials
- MATL 3611.03: Corrosion and Degradation of Materials
- MATL 3612.03: Thermodynamics of Materials

- MATL 3620.03: Introduction to Physical Metallurgy
- MATL 3621.03: Mechanical Behaviour of Materials
- MATL 4703.03: Non-Metallic Materials
- MATL 4722.03: Ferrous Alloys and Joining of Materials
- MATL 4805.03: Electrochemical Processing of Materials
- MATL 4806.03: Particulates in Materials Engineering
- MATL 4815.03: Kinetics of Materials Processing
- MATL 4823.03: Non-ferrous Alloys
- MATL 4824.03: Industrial Metallurgy
- MATL 4825.03: Solidification and Casting

2. Students must complete a research project with a materials emphasis (pre-approved by the Certificate Coordinator) via one of the following sets of courses, with a minimum grade of B-:

- CHEM 4801.03 and CHEM 4802.03
- CHEM 4901.06
- EARTH 4200.06 OR EARTH 4100.06
- PHYC 4800.03 and PHYC 4850.03

Certificate in Medicinal Chemistry

Offered by: Chemistry

Coordinator: Dr. Alison Thompson alison.thompson@dal.ca (Chemistry)

The Department of Chemistry offers a Certificate in Medicinal Chemistry in conjunction with its Major and Honours programs. This certificate is intended to reflect that the student has completed a course of study in chemistry that is appropriate for employment or further study related to pharmaceutical development and production.

Certificate Requirements:

- Completion of a 120 credit hour program in Chemistry (Honours, Combined Honours, Major, Double Major)
- CHEM 2101.03, CHEM 2201.03, CHEM 2301.03, CHEM 2304.03, CHEM 2401.03, CHEM 2402.03
- CHEM 3201.03, CHEM 3401.03, CHEM 3404.03, CHEM 3601.03
- CHEM 4401.03, CHEM 4601.03
- Any two of: CHEM 3301.03, CHEM 4205.03, CHEM 4206.03, CHEM 4301.03, CHEM 4402.03

Recommended Electives: BIOC 2300, BIOC 2610, BIOC 3200, BIOC 4701

To be awarded the Certificate in Medicinal Chemistry, students should contact the Certificate Coordinator no later than four weeks after the start of the term in which they intend to graduate, and indicate that they wish to have their qualifications for the certificate assessed.

Certificate in Science Leadership and Communication

Offered by: Faculty of Science

Coordinator: Dr. Anne Marie Ryan amryan@dal.ca (Earth Sciences), Dr. Allison Schmidt allison.schmidt@dal.ca (Biology)

The focus of the Certificate in Science Leadership and Communication is to develop leadership and communication skills specifically in and through the sciences, and to enable Dalhousie Science graduates to better understand the nature of science, the process of change, and to have the skills to communicate and to lead others effectively. The Certificate is available to any student in the Faculty of Science. To enrol, students should contact a Certificate Coordinator.

Certificate Requirements

Students are required to complete the following six components:

1. Leadership: Core course

- SCIE 444.03/BIOL 4444.03 Leadership in Science

2. Communicating Science

One of the following two courses with a practicum component

- SCIE 3111.03 Communicating Science
- PSYO 3010.06 Advanced General Psychology

3. Ethics in Science

One of the following courses in ethics

- PHIL 2680.03 Ethics in Science (credit is not given for PHIL 2680 and 1050)
- PHIL 1050.03 Ethics in Science

4. Understanding the nature of science

One of the following courses

- HSTC 2400.03 Science and the Media
- HSTC 2000.06 Introduction to the History of Science
- HSTC 2204.03 The Darwinian Revolution
- HSTC 2205.03 Totalitarianism and Science
- HSTC 2206.03 Biopolitics: Human Nature in Contemporary Thought
- HSTC 3201.03 Science and Religion: Contemporary Perspectives
- HSTC 3212.03 The Biosphere: Global Perspectives in Science and Philosophy
- HSTC 3411.03 Feminism and Science
- HSTC 4301.03 History of Neuroscience
- HSTC 1801.03 Technology and Engineering: From Industrial Age to Cybernetic Age
- HSTC 4000.06 Science and Nature in the Modern Period
- BIOL 3580.03/PHIL 3580.03 Philosophy of Biology
- PHIL 2660.03 Understanding Scientific Reasoning
- PHIL 2480.03 Environmental Ethics
- ECON 3360.03 Ethics, Justice and Economics

5. Discipline-specific courses: situating your discipline

One of the following courses:

- BIOL 3601.03 Nature Conservation
- BIOL 3065.03 Conservation Biology
- ECON 2850.03/PHYC 2850.03 Science and Economics of Climate Change
- ENVS 3501.03 Environmental Problem-solving I
- EARTH 3500.03 Geoscience Information Management
- EARTH 4000.03 Advanced Field School
- BIOL 4664.03/MARI 4664.03* History of Marine Sciences
- NESC 2007.03 Neuroscience Principles and Methods
- PSYO 2000.03 Methods in Experimental Psychology
- PSYO 3581.03 History of Psychology I
- PSYO 3582.03 History of Psychology II
- BIOC 4510.03 Medical Biotechnology I

* Cross-listed as OCEA 4331.03, HIST 3073.03, HSTC 3331.03, SCIE 4000.03

6. Portfolio of leadership development

The portfolio is a record that can be shared with future employers, and built upon into the future. It will document, at a minimum:

- The activities undertaken in each of the above 5 components of the certificate
- Reflections on how each component fits into leadership and communication development in their discipline of study
- Reflection on the practicum components
- Record of any additional leadership aspects of employment or science-related volunteer activities

Further information is available at <http://www.dal.ca/faculty/science/programs/diploma---certificate-programs/scienceleadership.html>.

Biochemistry and Molecular Biology

Location:

Building/Room: Sir Charles Tupper Medical Building

Street Address 1: 5850 College Street

Street Address 2: 9th Floor

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-6436

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Website: www.biochem.dal.ca

Email Address: advisor@webmail.biochem.dal.ca

Introduction

Biochemistry is the study of biological function at the molecular level. Although biochemical processes follow the basic laws of physics and chemistry, living organisms, because of their complexity, operate on a set of distinct principles that are not found in simple isolated chemical systems. The goal of biochemistry is to elucidate these principles. The department offers an integrated series of courses that will provide students with an up-to-date view of modern biochemistry and molecular biology ranging from evolution of genomes to structure-function relationships in macromolecules to the dynamic aspects of metabolism. The core programs can be adapted to emphasize different biochemical specialties such as structural biology, metabolism, molecular biology and cell signaling. Students wishing to pursue advanced studies in related sciences can include courses in Physiology, Pharmacology and/or Pathology in their programs. Greater flexibility is available in combined degree programs of Biochemistry and Molecular Biology with another subject; most often with Chemistry, Microbiology, Biology, Neuroscience, Psychology or Environment, Sustainability and Society. Specific programs developed with the Department of Microbiology and Immunology provide coordinated studies of metabolism, enzymology and molecular biology with bacteriology, virology and immunology. These programs provide the foundation for molecular genetics, genetic engineering, biotechnology, biomedical research and medicine.

Laboratory Exercises: Some of the courses offered by the Department of Biochemistry and Molecular Biology include a laboratory component. The laboratory exercises provide an opportunity to develop laboratory skills, as well as to illustrate the theoretical principles taught in course. This process culminates in fourth year, with a supervised research project required for Honours Biochemistry and Molecular Biology students. Although no exercise involves live animals, experiments may use materials derived from animal sources, as well as from plants and micro-organisms. Laboratory experiments will often be performed in groups, but writing of reports is expected to be an individual effort, meeting the guidelines on plagiarism set out in the University Regulations in the Calendar and the Department Policy on Plagiarism.

Degree Programs

The Department offers the following degree programs in Biochemistry and Molecular Biology

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc (120 credit hour) Double Major*
- Minor in Biochemistry and Molecular Biology

* BSc Co-op option available (see below)

* May be combined with Minors from other disciplines

Departmental Requirements for each degree program can be seen by following the links in the menu to the right and in the Undergraduate Handbook, available on the departmental website biochem.dal.ca/programs/undergraduate/. In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully. It is recommended that students considering an Honours or Major program consult with a Biochemistry and Molecular Biology Academic Advisor prior to registering for second year classes.

Students who participated in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies. The following options fulfill the first year requirements for any Biochemistry and Molecular Biology program:

- SCIE 1515.36
- SCIE 1520.30
- SCIE 1540.27
- SCIE 1505.18

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Head of Department

Bearne, S. L.

Program Advisors

Undergraduate inquiries: Advisor@webmail.biochem.dal.ca

Dobson, M., Undergraduate Coordinator

Bigelow, B.

Briggs, P.

Byers, D., Co-op Academic Advisor

Too, C. K. L.

Graduate inquiries: roisin.mcdevitt@dal.ca

Archibald, J., Graduate Coordinator

Professors Emeriti

Doolittle, W. F., AB (Harv), PhD (Stan)

Helleiner, C. W., BA, PhD (Toronto)

Gray, M. W., BSc, PhD (Alta)

Professors

Archibald, J. M., BSc, PhD (Dalhousie)

Bearne, S. L., BSc (Acadia), PhD (Toronto), MD CM (McGill) - cross appointment in Chemistry

Byers, D. M., BSc, MSc (Dalhousie), PhD (Alta) - cross appointment in Pediatrics

Dobson, M. J., BSc (Dalhousie), DPhil (Oxon)

Doolittle, W. F., AB (Harv), PhD (Stan) - Post-Retirement

Duncan, R., BSc (Guelph), MSc (Queen's), PhD (Guelph) - major appointment in Microbiology and Immunology

Gray, M. W., BSc, PhD (Alta) - Post-Retirement

Liu, P. X. -Q., BSc (Wuhan), PhD (Cornell)

McLeod, R., BSc, PhD (UBC)

McMaster, C. R., BSc, PhD (Man) - major appointment in Pharmacology

Ridgway, N. D., BSc, MSc (Dalhousie), PhD (UBC) - joint appointment with Pediatrics

Ro, H. -S., BSc, PhD (McMaster)

Roger, A. J., BSc (UBC), PhD (Dalhousie)

Rosen, K. V., BSc, MSc, PhD (Moscow) - joint appointment with Pediatrics

Singer, R. A., AB (Princeton), PhD (Harv) - cross appointment in Medicine

Too, C. K. L., BSc, MSc (Malaya), PhD (Hawaii)

Waisman, D. M., BSc (Brandon), PhD (Manitoba) - joint appointment in Pathology

Wallace, C. J. A., BA, MA, DPhil (Oxon)

Associate Professors

Blouin, C., BSc, (Laval), PhD (Dalhousie) - joint appointment with Computer Science

Dellaire, G., BSc (UBC), PhD (McGill) - major appointment in Pathology

Karten, B., MSc (Hamburg), PhD (Karl-Franzens, Austria)

Marignani, P., BSc (Windsor), MSc (Western), PhD (McMaster), EMBA (Western) - cross appointment in Pathology

Rainey, J. K., BSc (Guelph), MSc, PhD (Toronto) - cross appointment in Chemistry

Assistant Professors

Kienesberger, P., MSc, PhD (Graz, Austria)

Pulinilkunnil, T., MSc (India), PhD (UBC)

Slamovits, C., BSc, PhD (Buenos Aires, Argentina)

Van der Spoel, A. C., MSc (Erasmus, The Netherlands), PhD (Utrecht, The Netherlands) - major appointment in Pediatrics

Senior Instructor

Briggs, P., BSc (Acadia), BEd (Dalhousie), MEd (MSVU)

Instructor

Ewart, K. V., BSc (Moncton), PhD (Memorial)

BSc (120 credit hour) Concentrated Honours in Biochemistry and Molecular Biology

Students who want a challenging program that results in a broad and in-depth background in Biochemistry and Molecular Biology, and includes an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Biochemistry and Molecular Biology subject courses, with a minimum GPA of 3.0, and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of BIOC 4604.03/BIOC 4605.03. Because Biochemistry and Chemistry are closely interwoven both conceptually and experimentally, the list of required courses includes both subjects. Additional chemistry courses beyond those required for the honours degree may be taken as electives.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Biochemistry and Molecular Biology. See Co-operative Education Program.

Admission to Honours

Students who wish to enrol in a Biochemistry and Molecular Biology Honours program should apply for admission after their second year Fall term grades are in. To be admitted, students must have

- Consulted with a Departmental Academic advisor
- Minimum grades of B- in BIOL 1010, BIOL 1011, CHEM 1011 and CHEM 1012 (or equivalents)

Departmental Requirements

In addition to fulfilling the requirements outlined in Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc Concentrated Honours program in Biochemistry and Molecular Biology must complete the following courses:

1000 level

- BIOL 1010.03/BIOL 1011.03 OR BIOL 1020.03/BIOL 1021.03 (minimum grade of "B-")
- CHEM 1011.03/CHEM 1012.03 (minimum grade of "B-")
- MATH 1000.03 or MATH 1215.03
- MATH 1010.03 or STAT 1060.03

Or Integrated Science Program

2000 level

- BIOL 2020.03 and BIOL 2030.03
- BIOC 2300.03 AND BIOC 2610.03

- CHEM 2401.03 and CHEM 2402.03
- CHEM 2201.03

3000 level

- BIOC 3300.03
- BIOC 3400.03
- CHEM 3601.03 or one course in Biochemistry at or above the 3000 level
- BIOC 3700.03

4000 level

- BIOC 4604.03 and BIOC 4605.03 (Honours Thesis)
- Nine credit hours from BIOC 40XX, 43XX, 44XX, 45XX, 47XX
- Six additional credit hours in BIOC at the 4000 level

Other requirements:

A pass is required in the Honours Qualifying examination. Students should ensure that they enrol in any 2000 or 3000 level courses that are prerequisites for advanced courses they intend to take (see calendar entries).

BSc (120 credit hour) Combined Honours in Biochemistry and Molecular Biology and another subject

Students who wish to study Biochemistry and Molecular Biology in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Biochemistry and Molecular Biology may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Biochemistry and Molecular Biology, this requirement is satisfied through BIOC 4604.03/BIOC 4605.03.

A Co-op option is available for students enrolled in BSc Combined Honours with Biochemistry and Molecular Biology as the primary subject. See Co-operative Education Program below.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a Combined Honours program in Biochemistry and Molecular Biology and another subject must complete the following:

Biochemistry and Molecular Biology as the primary or secondary subject

1000 level

- 1000 level as for Concentrated Honours, except MATH 1000 AND MATH 1010 required if Chemistry is the other subject

2000 level

- BIOL 2020.03 and BIOL 2030.03
- CHEM 2401.03 and CHEM 2402.03
- BIOC 2300.03 and BIOC 2610.03

3000 level

- BIOC 3300.03
- BIOC 3400.03
- BIOC 3700.03

4000 level

- Six credit hours from BIOC 40XX, 43XX, 44XX, 45XX, 47XX
- BIOC 4604.03 and BIOC 4605.03 (if Honours thesis and qualifying exam are in Biochemistry)

Consult an Undergraduate advisor for recommended courses of study.

BSc (120 credit hour) Major in Biochemistry and Molecular Biology

The 120 credit hour Major is suited to students who want to focus on Biochemistry and Molecular Biology, but wish to have a program that is somewhat less constrained than the Honours program. Biochemistry and Molecular Biology Majors complete a minimum of 45 credit hours in program courses above the 1000 level. Research and other experiential learning opportunities are available through laboratories, and through direct research and experiential classes. Although Dalhousie University does not require formal application for its 120 credit hour Major programs, this Department requires that all those registering with a view to completing such a degree must first consult with an undergraduate advisor from the Department of Biochemistry and Molecular Biology.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Biochemistry and Molecular Biology. See Co-operative Education Program.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a Major program in Biochemistry and Molecular Biology must complete the following:

1000 level

- BIOL 1010.03/BIOL 1011.03 or BIOL 1020.03/BIOL 1021.03 (minimum grade of "B-")
- CHEM 1011.03/CHEM 1012.03 (minimum grade "B-")
- Six credit hours of mathematics

OR Integrated Science Program

2000 level

- BIOL 2020.03 and BIOL 2030.03
- BIOC 2300.03 and BIOC 2610.03
- CHEM 2401.03 and 2402.03
- CHEM 2201.03

3000 level

- BIOC 3300.03
- BIOC 3400.03
- BIOC 3700.03
- Three additional credit hours in BIOC courses at or above the 3000 level

4000 level

- 12 credit hours in BIOC at the 4000 level

BSc (120 credit hour) Double Major in Biochemistry and Molecular Biology and another subject

The Double Major degree program allows students to combine a study of Biochemistry and Molecular Biology with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Biochemistry and Molecular Biology may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

It is recommended that students enrolled in a Double Major program seek advice from advisors in both subject areas.

A Co-op option is available for students enrolled in BSc Double Major with Biochemistry and Molecular Biology as the primary subject. See Co-operative Education Program.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a Double Major program in Biochemistry and Molecular Biology and another subject must complete the following set of core courses:

1000 level

- BIOL 1010.03/BIOL 1011.03 OR BIOL 1020.03/BIOL 1021.03 (minimum grade of "B-")
- CHEM 1011.03/CHEM 1012.03 (minimum grade of "B-")
- Six credit hours of mathematics

Or Integrated Science Program

2000 level

- BIOL 2020.03 and BIOL 2030.03
- BIOC 2300.03 BIOC 2610.03
- CHEM 2401.03 and 2402.03

3000 level

- BIOC 3300.03
- BIOC 3400.03
- BIOC 3700.03

4000 level

- Six credit hours of BIOC courses at the 4000 level

The same set of core courses is required in a Double Major with Biochemistry and Molecular Biology as the primary or secondary subject.

Minor in Biochemistry and Molecular Biology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 credit hours in Biochemistry (BIOC) courses at the 2000 level or higher to a maximum of 36 credit hours.

Please note that there are prerequisite requirements for entry into upper level Biochemistry (BIOC) courses. Some non-BIOC courses such as BIOL 2020.03, BIOL 2030.03, CHEM 2401.03 and CHEM 2402.03 are required for the Biochemistry and Molecular Biology degree programs. These non-BIOC courses cannot be counted as part of the 18 credits hours in BIOC required for a minor.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Co-operative Education Program in Biochemistry and Molecular Biology

Co-op Academic Advisor: Dr. D. Byers, Email: david.byers@dal.ca

Cooperative Education (Co-op) is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Biochemistry and Molecular Biology, or in Combined Honours or Double Major programs with Biochemistry and Molecular Biology as the primary subject. The number of students admitted into Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) in the Fall term of the year they join.

Details are available from the Biochemistry and Molecular Biology Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Biochemistry and Molecular Biology, please see the Departmental webpage www.dal.ca/academics/programs/undergraduate/bcmb/what_will_i_learn/coop_work_terms.html.

Minors available to students in Biochemistry and Molecular Biology

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour programs (including Co-op).

Students in a BSc (120 credit hour) program in Biochemistry and Molecular Biology may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Biochemistry and Molecular Biology, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at Faculty of Science - Certificates. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to students enrolled in a Major or Honours program in Biochemistry and Molecular Biology include:

- Certificate in Genetics
- Certificate in Medicinal Chemistry

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade

requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

The Department also teaches students in Dentistry and Medicine; these courses are described in the appropriate sections of the Calendar.

Other Courses

The following courses given by other departments may be taken as a Biochemistry and Molecular Biology course toward BSc Biochemistry and Molecular Biology degrees. See course descriptions in relevant section of this calendar.

Chemistry - CHEM 3601.03, CHEM 4601.03

Microbiology - MICI 4033.03

Pharmacology - PHAC 3001.03, PHAC 4001.03

Note: CHEM 3601.03 and PHAC 3001.03 are considered to be BIOC 3000-level courses, and CHEM 4601.03, MICI 4033.03 and PHAC 4001.03 to be BIOC 4000-level courses when taken as part of Biochemistry and Molecular Biology Major and Honours degree programs. These courses, in addition to required non-BIOC 2000-level courses (BIOL 2020, BIOL 2030, CHEM 2401, CHEM 2402), can not be counted towards the 18 credit hours in BIOC required for a Minor in Biochemistry and Molecular Biology.

Course Descriptions

BIOC 1040X/Y Biological Chemistry and Metabolism for Students of Pharmacy

CREDIT HOURS: 6

The structures, significance, and metabolism of the main biologically important compounds are outlined in lectures, with some topics of particular interest studied further in the laboratory. Tutorials aim to develop students' ability to learn biochemistry on their own and in small groups.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 4

LAB HOURS PER WEEK: 3

COREQUISITE: CHEM 2442.03

RESTRICTIONS: This class is restricted to students in the BSc (Pharm) program.

BIOC 1420 Introductory Biochemistry for Nursing Students

CREDIT HOURS: 3

Topics discussed include the structure, biosynthesis and functions of biologically important compounds, enzymes, control of metabolism, genetic engineering and nutrition. Medical aspects are stressed.

NOTES: This course cannot be used as a prerequisite for any other biochemistry course and is not normally accepted by Faculties of Dentistry or Medicine in fulfilment of the requirement of a biochemistry course for admission.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

RESTRICTIONS: This class is restricted to students in the BScN and BHSc programs.

BIOC 2300 Introduction to Biochemistry

CREDIT HOURS: 3

This course surveys basic topics and concepts of Biochemistry. The structures, properties and metabolic inter-relations of proteins, carbohydrates and lipids are considered together with an introduction to nutrition and metabolic control. Although mammalian examples predominate some consideration of special aspects of biochemistry of microbes and plants is included.

NOTES: Students are advised to also take CHEM 2401.03 and CHEM 2402.03 COORDINATOR: D. Byers

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 1010.03 and 1011.03 (or equivalent), CHEM 1011.03 and 1012.03 (or equivalent), all with grades of B- or higher, or instructor's consent.
EXCLUSIONS: BIOC 2200.03

BIOC 2610 Introductory Biochemistry Lab

CREDIT HOURS: 3

An introduction to fundamental techniques in Biochemistry through the exploration of the properties of essential biomolecules. This course is intended for students in Biochemistry and Molecular Biology and Microbiology Programs.

FORMAT: Lab

LAB HOURS PER WEEK: 3

COREQUISITE: BIOC 2300.03 and CHEM 2401.03 and CHEM 2402.03 or instructor's consent

PREREQUISITE: BIOL 1010.03 and 1011.03 (or equivalent), CHEM 1011.03 and 1012.03 (or equivalent), all with grades of B- or higher, or instructor's consent.

EXCLUSIONS: BIOC 2200.03

BIOC 3300 Intermediary Metabolism

CREDIT HOURS: 3

This course covers synthesis and catabolism of carbohydrates, lipids and some nitrogen compounds. Metabolic regulation is emphasized, including factors influencing the rate at which compounds flow through selected pathways. Compartmentalization of, inter-relationships between and environmental impact on metabolic pathways are considered. Laboratory exercises examine the techniques used to study metabolic pathways. COORDINATOR: R. McLeod

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOC 2300.03 and BIOC 2610.03 (both with grades of B- or higher) and BIOL 2020.03 and BIOL 2030.03 and CHEM 2401.03 and CHEM 2402.03, or instructor's consent

BIOC 3400 Nucleic Acid Biochemistry and Molecular Biology

CREDIT HOURS: 3

This course focuses on the relationship of structure to function in RNA and DNA. Methods for studying the primary, secondary, and tertiary structures of nucleic acids are explored in lectures and in the laboratory. Topics covered include enzymic mechanisms for biosynthesis, rearrangement, degradation, and repair of nucleic acid molecules, and processes of replication, transcription, and translation. Nucleic acid biochemistry is emphasized as a basis for understanding storage and transfer of biological information. COORDINATOR: J. Archibald

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 2401.03 and CHEM 2402.03, or CHEM 2441.03; BIOL 2020.03 and BIOL 2030.03 (both with grades of B- or higher); BIOC 2300.03; or instructor's consent

BIOC 3620 Experiential Learning in Biochemistry and Molecular Biology

CREDIT HOURS: 3

This course is an outside the classroom learning experience in which the student works in a research laboratory an average of one day per week acquiring biochemistry or molecular biology knowledge and skills. COORDINATOR: M. Dobson

NOTES: To register in this course, students must first find a faculty member from the Department of Biochemistry & Molecular Biology willing to supervise the work experience and sign a learning agreement with the supervisor. Grading is Pass/Fail.

FORMAT: Lab

PREREQUISITE: BIOC 2300, BIOC 2610, BIOL 2020, BIOL 2030 (all with a grade of B- or higher), CHEM 2401 and CHEM 2402.

EXCLUSIONS: The following may not be used towards BIOC 3620: lab work that is part of another scheduled course at a learning institution, study that would qualify for Special Topics courses, co-op work terms, and paid work. Only one experiential learning course per degree is permitted. The class is only open to students registered in Biochemistry & Molecular Biology Degree programs, either Major or Honours, combined or concentrated. Students may not take BIOC 3620 concurrently with BIOC 4604 or BIOC 4605.

BIOC 3700 Biomolecular Chemistry

CREDIT HOURS: 3

This course covers structural and functional properties of biomolecules, including the physical bases for their characterization, thermodynamic principles of protein folding and biomolecular interactions, and the kinetics and mechanisms of enzyme catalysis.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOC 2300.03, 2610.03, CHEM 2401.03, and CHEM 2402.03 (all with a grade of B- or higher), or instructor's consent

EXCLUSIONS: BIOC 3200.03

BIOC 4001 Special Topics in Biochemistry

CREDIT HOURS: 3

Students interested in topics not covered in formal courses may ask the department for special courses to meet their needs. An Undergraduate Advisor will assist students to ascertain if faculty expertise is available to direct reading and the preparation of papers and seminars in a particular subject area. COORDINATOR: C. Too

PREREQUISITE: BIOC 3300.03, BIOC 3400.03, and BIOC 3700.03 (average of B or higher and consent of coordinator)

BIOC 4010 Bioinformatics

CREDIT HOURS: 3

This course presents the theory and practice of bioinformatics. Topics include: rate of mutation, sequence alignment, database searching, phylogenetic analysis, bioinformatic tools for analyzing genes, genomes and proteins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3400.03 or instructor's consent

CROSS-LISTING: BIOC 5010.03

BIOC 4027 Molecular Mechanisms of Cancer

CREDIT HOURS: 3

The course focuses on the molecular mechanisms of cancer. Topics include: receptors and downstream signaling, oncogenes and tumor suppressors, cancer metastasis and angiogenesis, cell cycle control, and apoptosis.

FORMAT: Lecture| Discussion

PREREQUISITE: Minimum grades of B+ in a 3000 level Biochemistry class and another 3000 level Biochemistry, Microbiology or Pathology class. Permission of instructor required

CROSS-LISTING: PATH 5027.03 and MICI 5027.03/4027.03

BIOC 4302 Biochemistry of Lipids

CREDIT HOURS: 3

The biochemistry and metabolism of a variety of lipids is studied, especially of those, such as fatty acids, glycolipids, eicosanoids, steroids and phospholipids, with specialized physiological or lipid-second messenger functions. Intracellular and inter-tissue transport and regulatory processes are emphasized. The chemistry and physics of insoluble lipids in an aqueous environment are explored and problems in the interaction of lipids with soluble and insoluble enzymes are considered.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3300.03 and 3700.03

BIOC 4305 Mechanisms of Signal Transduction

CREDIT HOURS: 3

The emphasis of this course is to introduce concepts and key mediators of signal transduction. Topics include protein kinases, tumour suppressors, oncogenes, G-protein coupled receptors, calcium signalling, lipids in signalling, integration of signalling cascades, cytoskeletal reorganization, cellular metastasis, apoptosis, anoikis, genomic stability, and stem cell biology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3300.03, 3400.03, and 3700.03 or instructor's consent

EXCLUSIONS: BIOC 4301.03

BIOC 4306 Nutritional Biochemistry

CREDIT HOURS: 3

Appropriate nutrition is essential for health and reflects the basic biochemistry of the organism. Changes in the human diet can impact health and disease. This course considers the principles of optimal nutrition in a biochemical context and the role of nutrition in disease etiology and treatment.

FORMAT: Other (explain in comments)

PREREQUISITE: BIOC 3300.03, BIOC 3400.03, BIOC 3700.03 or instructor's permission

BIOC 4403 Genes and Genomes

CREDIT HOURS: 3

This course discusses the organization of genes into genomes. It deals with (i) compartmentalization of genetic material in nuclear and organellar genomes, (ii) the structure, behaviour and origins of components of both nuclear and organellar genomes which are not genes (transposable and other repetitive elements, introns), (iii) genetic and physical methods for mapping genomes, and (iv) the significance of genetic organization and higher order chromosomal structure and function. The methodology and prospects of genomics are discussed at some length.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3400.03 or instructor's consent

CROSS-LISTING: BIOC 5403.03

BIOC 4404 Gene Expression

CREDIT HOURS: 3

The different mechanisms for regulation of gene expression in bacterial and eukaryotic cells, and their viruses, are emphasized. Particular topics include genomic, transcriptional, and post-transcriptional modes of regulation.

PREREQUISITE: BIOC 3400.03 or instructor's consent

CROSS-LISTING: BIOC 5404.03

BIOC 4501 Medical Biotechnology I

CREDIT HOURS: 3

This course covers fundamental principles of biotechnology from a medical perspective. Topics discussed include: recombinant DNA technology, polymerase-chain reaction-based applications, DNA microarrays, DNA sequencing, immunochemical techniques and applications, production of transgenic organisms, potential applications for embryonic stem cell and nuclear transfer cloning, business and legal aspects of biotechnology.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3400.03 or instructor's consent

CROSS-LISTING: BIOL 5105.03, and BIOC 5501.03

BIOC 4604 Research Project I

CREDIT HOURS: 3

This course requires original biochemical research in the laboratory of a faculty member, and requires the equivalent of at least one day per week to be spent in the laboratory. A report is submitted at the end of the term. COORDINATOR: R. Singer

NOTES: This course is intended to be taken in conjunction with BIOC 4605.03 and no credit can be given for one course without the other. The work undertaken in BIOC 4605.03 should be a continuation of that initiated in BIOC 4604.03 and hence the report submitted for BIOC 4605.03 may include data and analysis incorporated in the BIOC 4604.03 report. In exceptional cases, the research project can be done outside the Department of Biochemistry and Molecular Biology. Prior approval must be obtained from the course coordinator.

FORMAT: Lab

PREREQUISITE: Permission of coordinator and a member of the Department who will serve as supervisor. At least a B average for BIOC 3300.03, BIOC 3400.03 and

BIOC 4605 Research Project II

CREDIT HOURS: 3

This course requires original biochemical research in the laboratory of a faculty member, and requires the equivalent of at least one day per week to be spent in the laboratory. A report is submitted at the end of the term. COORDINATOR: R. Singer

NOTES: This course is intended to be taken in conjunction with BIOC 4604.03 and no credit can be given for one class without the other. The work undertaken in BIOC 4605.03 should be a continuation of that initiated in BIOC 4604.03 and hence the report submitted hence the report submitted for BIOC 4605.03 may include data and analysis incorporated in the BIOC 4604.03 report. In exceptional cases the research project can be done outside the Department of Biochemistry & Molecular Biology. Prior approval must be obtained from the course coordinator.

FORMAT: Lab

PREREQUISITE: BIOC 4604.03

BIOC 4700 Proteins

CREDIT HOURS: 3

Our theme is the relationship between structure and function. The kinetic and thermodynamic determination of the protein fold is explored. Specific details of how form determines function in binding other molecules both small and large in membranes, and in energy transduction are provided. Protein evolution and turnover are examined.

NOTES: Some weeks, in addition to lectures, students will independently research and write about specialized topics suggested by the instructor and occasionally present these to a class in discussion group format.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3700; or (CHEM 3601 AND CHEM 2301 AND CHEM 2304), all with grades of B or higher or instructor's consent.

CROSS-LISTING: BIOC 5700.03

BIOC 4701 Enzymes

CREDIT HOURS: 3

Fundamental principles of enzyme catalysis and its regulation are examined. Topics include enzyme kinetics, enzyme inhibition and inactivation, isotope effect measurements, site-directed mutagenesis, and the active site architecture and transition state stabilization of selected enzymes. Classic and current papers in the literature are reviewed and the experimental and conceptual approaches are critically appraised.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3700.03; or (CHEM 3601 AND CHEM 2301 AND CHEM 2304), all with grades of B or higher or instructor's consent.

CROSS-LISTING: BIOC 5701.03

BIOC 4702 Biophysical Characterization of Macromolecules

CREDIT HOURS: 3

This course covers methods allowing determination of sub-molecular and atomic-level structure and dynamics of biomacromolecules in physiological settings (e.g. solution-state or lipid bilayers) including: fluorescence, electronic and vibrational circular dichroism and NMR spectroscopy; light vs. X-ray vs. neutron scattering; and, single molecule methods.

FORMAT: Lecture| Tutorial| Seminar

PREREQUISITE: BIOC 3700.03; or (CHEM 3601 AND CHEM 2301 AND CHEM 2304), all with grades of B or higher or instructor's consent. Recommended: PHYC 1280.03/1290.03 or 1300.06

CROSS-LISTING: BIOC 5702.03, CHEM 5602.03, CHEM 4602.03

BIOC 4813 Biochemistry of Clinical Disorders

CREDIT HOURS: 3

This course is an introduction to the pathophysiology of disease. It provides the clinical and biochemical background to disease groups and system disorders and the laboratory approach to their diagnosis. Topics include cardiovascular, renal, gastrointestinal and hepatobiliary disorders, addiction, and acid-base, carbohydrate, lipid and amino acid disorders; endocrine and rheumatological diseases, as well as tumor markers and toxicology, blood and immune abnormalities.

FORMAT: Lecture| Discussion

PREREQUISITE: BIOC 3300.03 and BIOC 3400.03 and BIOC 3700.03 or consent of instructor

CROSS-LISTING: PATH 5013.03, BIOC 5813.03

EXCLUSIONS: BIOC 4811.03 and BIOC 4812.03

BIOC 4835 Human Genetics

CREDIT HOURS: 3

For science students with special interest in human genetics. Topics include errors of metabolism, human development, transmission genetics, DNA structure, gene function, mutation and chromosomal alterations, population genetics, genetics of immunity and cancer, genetic technology in medicine, and ethical and social issues related to medical genetics.

COORDINATOR(S): W.L. Greer

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOC 3400.03 or permission from instructor

CROSS-LISTING: BIOL 4035.03, 5035.03, PATH 5035.03

BIOC 8891 Co-op work term 1

CREDIT HOURS: 0

NOTES: CHEM 3601.03 and PHAC 3001.03 are considered to be BIOC 3000-level courses, and CHEM 4601.03, MICI 4033.03 and PHAC 4001.03 to be BIOC 4000-level courses when taken as part of Biochemistry & Molecular Biology Major and Honours degree programs. These courses, in addition to required non-BIOC 2000-level courses (BIOL 2020, BIOL 2030, CHEM 2401, CHEM 2402), can not be counted towards the 18 credit hours in BIOC required for a Minor in Biochemistry & Molecular Biology.

BIOC 8892 Co-op work term 2

CREDIT HOURS: 0

BIOC 8893 Co-op work term 3

CREDIT HOURS: 0

Biology

Location:

Building/Room: Life Sciences Centre

Street Address 1: 1355 Oxford Street

Street Address 2: 2nd Floor

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3515

Fax: (902) 494-3736

Website: www.dal.ca/biology

Email Address: biology@dal.ca

Welcome to the Department of Biology. It has been said that the 21st century will be the century of Biology. We are inclined to agree. Biologists study the entire hierarchy of living systems from molecules, cells, organelles and organs to individuals, populations, and ecosystems. Increasingly, the focus of biological inquiry has shifted from reducing living systems into their parts to investigating how these parts interact in complex systems from which novel and unique properties emerge.

The Department of Biology offers both undergraduate and graduate students a wide range of learning experiences and training in the biological sciences. The undergraduate core introduces the student to the whole biological hierarchy and provides an excellent introduction to the biodiversity of species and their habitats. There are multiple avenues for more tailored learning as well, including independent research opportunities, special topics courses, experiential learning, specialty certificates, and honours research. State of the art laboratories provide experience in current technology and experimental design. Our Seaside Program includes a large number of summer field courses covering freshwater, marine, and terrestrial ecosystems. We excel in Marine Biology as proximity to the Atlantic Ocean gives us the capacity to provide hands-on marine training. In 2014, the Department of Biology began participating in a unique Medical Sciences program that was developed collaboratively by the Faculty of Science and the Faculty of Medicine.

There has never been a more exciting time to be a Biologist, nor has the need to understand the intricacies of nature been more urgent. Our comprehensive programs prepare students for a wide range of career options, including research and education, field and laboratory positions, environmental management and conservation, medical sciences and biotechnology, bioengineering, industry, and business. Not every student will use this degree to be a biologist but each one will have the opportunity to participate in and contribute to one of the most worthwhile endeavors in humanity's near future: understanding nature and how humanity can live better without endangering the multitude of living systems around us, and in turn, ourselves.

Degree Programs

The Department of Biology offers the following degree programs in Biology

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Biology
- Minor in Biology

* BSc Co-op option available

* May be combined with Minor programs from other disciplines

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Biology undergraduate academic advisor.

Prospective Biology students should be aware that to advance to second year Biology courses, they must achieve at least a C+ grade in the prerequisite first year Biology courses. Students with exceptional extenuating circumstances may appeal this requirement to the Biology Undergraduate Curriculum Committee. Students should go to the Biology Main Office for further details.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chair

Bentzen, P., MSc (UBC), PhD (McGill)

Biology Program Advisors

For Biology program advising, please email biology.advising@dal.ca and indicate whether you are interested in Majors or Honours advising.

Professors Emeriti

Hall, B. K., PhD, DSc (UNE), FRSC, University Research Professor Emeritus
McLaren, I. A., MSc (McGill), PhD (Yale), George S. Campbell Professor Emeritus

Professors

Bentzen, P., MSc (UBC), PhD (McGill)
Croll, R. P., PhD (McGill), (major appointment in Physiology and Biophysics)
Freedman, B., MSc, PhD (Toronto), Campbell Chair in Biology
Hutchings, J. A., PhD (Memorial)
Iverson, S. J., PhD (Maryland), University Research Professor
Johnston, M. O., PhD (Chicago)
Lane, P. A., MSc (SUNY Binghamton), PhD (SUNY Albany)
LaRoche, J., PhD (Dalhousie)
Leonard, M. L., PhD (Ottawa)
MacRae, T. H., MSc, PhD (Windsor)
Metaxas, A., PhD (Dalhousie)
O'Dor, R. K., PhD (UBC)
Ruzzante, D. E., MSc, PhD (Dalhousie)
Scheibling, R. E., PhD (McGill)
Walde, S., PhD (Calgary)
Whitehead, H., PhD (Cambridge), University Research Professor
Worm, B., PhD (Kiel)
Wright, J. M., PhD (MUN)

Associate Professors

Bielawski, J. P., PhD (Texas A & M)
Gunawardena, A., PhD (Oxford Brookes)
Herbinger, C. M., PhD (Dalhousie)
Latta, R., PhD (Colorado)
Lotze, H. K., PhD (Kiel)
Pinder, A., PhD (Mass)
Romanuk, T. N., PhD (McMaster)
Simpson, A. G. B., PhD (Sydney)
Stone, S., PhD (York)

Assistant Professors

Bertrand, E., PhD (Woods Hole/MIT)
Côté, P., PhD (McGill)
Crossin, G., PhD (UBC)
Staicer, C., PhD (UMass/Amherst)

Summer Education and Applied Science Institute at Dalhousie in Ecology (S.E.A.S.I.D.E.)

Staicer, C., PhD (UMass/Amherst), Director

Adjunct Professors

Adl, S., MSc (UBC), PhD (Paris-VI)
Bowen, W. D., PhD (UBC), BIO
Broders, H., BSc (Acadia), MSc (Memorial), PhD (UNB)
Franz-Odendaal, T., BSc (Hons), MSc, PhD (Cape Town)
Fraser, D. J., BSc (Guelph), PhD (Laval)
Fredeen, A., BSA (Saskatoon), MSc (Guelph), PhD (California)
Jonsen, I., PhD (Alberta)
Kenchington, E., MSc (Dalhousie), PhD (Tasmania), BIO
Kernaghan, G., MSc (UBC), PhD (Alberta)
Lada, R., PhD (NSAC)
Lee, R. W., PhD (Stoney Brook)
Lynch, D., BSc, MSc (McGill), PhD (Guelph)
MacKinnon, S., BSc (UNB), MSc (Dalhousie), PhD (Ottawa)
Ross, N., BSc, PhD (McGill)
Shutler, D., BSc, MSc (McGill), PhD (Carleton)
Swain, D. P., PhD (UBC)
Wang-Pruski, G., BSc (China), PhD (Alberta)
Wong, M., BSc (Mt. A), PhD (UNB)
Whoriskey, F., PhD (Brown)

Honorary Research Associates

Horn, A., PhD (Toronto)
Weilgart, L., PhD (Dalhousie)

Senior Instructors

Beauchamp, C., BSc., MSc (Memorial), BEd (Dalhousie)
Bishop, T., BSc, MSc (Memorial)
Gass, G., PhD (Toronto)
McAllister-Irwin, N., PhD (Dalhousie)
McCarville, M., BSc, MSc (Dalhousie)
Welsh, E., BSc, (McMaster), MSc (Guelph), BEd (Dalhousie)
Van Dommelen, J. A., MSc (Dalhousie)

Instructors

Cooper, M., BEd (Ottawa), PhD (Dalhousie)
Gibson, L., BSc (UVic), MSc (Dalhousie)
Gantham, D., MSc (Dalhousie)
Schmidt, A., MSc, PhD (Dalhousie)

Post Doctoral Fellows

Eddy, T., PhD (UVic)

Liu, H., PhD (China Agricultural University)

Park, J. S., PhD (Seoul)

Roy, D., PhD (V. Windsor)

Tittensor, D., PhD (Dalhousie)

BSc or BA (120 credit hour) Concentrated Honours in Biology

Students who want a challenging program resulting in a broad background in Biology, including an independent research experience may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours.

To graduate with Honours, students must complete a minimum of 54 credit hours above the 1000 level in Biology. A minimum B+ average (GPA of 3.3), with no grade less than C, is required in the core Biology courses. Students must also have a cumulative B average (GPA of 3.0) at the time of graduation. Students write a research-based Honours thesis. The Honours Qualifying Examination requirement is satisfied through completion of BIOL 4900X/Y.06 or BIOL 4901.03 AND BIOL 4902.03.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Biology. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours should consult with a Biology Honours Advisor early in their studies. To be admitted, students must:

- Have a minimum B+ average (GPA of 3.3) in core Biology courses with no grade less than C. A maximum of two of these core courses may be repeated to achieve this requirement.
- Have a minimum B average (GPA of 3.0) across all courses.
- Identify and gain the support of a thesis supervisor during their third year of studies (see Honours webpage for supervisor eligibility).
- With the supervisor's input, draft and submit a thesis proposal to the Honours Committee no later than May 15th of their third year of studies. See Honours webpage for thesis proposal guidelines, and admission procedures for Honours Co-op students.

Biology Honours webpage <http://biology.dal.ca/honours/index.html>

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Concentrated Honours program in Biology must complete the following courses:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- An additional 3 credit hours in MATH or STAT (BSc)
- CHEM 1011.03 and CHEM 1012.03

Recommended:

- PHYC 1300X/Y.06 or equivalent
- MATH 1000.03 or MATH 1215.03

2000 level

- BIOL 2003.03 Diversity of Life I
- BIOL 2004.03 Diversity of Life II
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology

- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology

3000/4000 level

- A minimum of 30 additional credit hours in BIOL or BIOL- equivalent courses at or above the 2000 level, of which at least 18 credit hours must be at or above the 3000 level. One of the following options must be included:
 - BIOL 3050.03 Developmental Biology,
 - BIOL 3078.03 AND BIOL 3079.03 Principles of Animal Physiology Part I and Part II

AND

- BIOL 4900X/Y.06 Honours Research and Thesis or BIOL 4901.03 and BIOL 4902.03 Honours Research and Thesis I & II (for Co-op students)

Students are encouraged to consult the sections on Course Selection Guidelines and BIOL-Equivalent Courses when selecting their 3000 and 4000 level courses.

BSc or BA (120 credit hour) Combined Honours in Biology and another subject

Students who wish to study Biology in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science (other than Marine Biology), the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Biology may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject. Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas.

To graduate, students must complete a minimum of 36 credit hours (Biology as primary subject) or 30 credit hours (Biology as secondary subject) above the 1000 level in BIOL or BIOL-equivalent courses. A minimum B+ average (GPA of 3.3), with no grade less than C, is required in the core Biology courses. Students must also have a cumulative B average (GPA of 3.0) at the time of graduation. Students write a research-based Honours thesis. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Biology, this requirement is satisfied through BIOL 4900X/Y.06 or BIOL 4901.03 AND BIOL 4902.03.

A Co-op option is available for students enrolled in a BSc Combined Honours in Biology. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. To be admitted to the Biology Honours program, students must:

- Have a minimum B+ average (GPA of 3.3) in core 2nd year Biology courses with no grade less than C. A maximum of two of these core courses may be repeated to achieve this requirement.
- Have a minimum B average (GPA of 3.0) across all courses.
 - If Biology is to be the primary subject area, students must
 - Identify and gain the support of a thesis supervisor during their third year of studies (see Biology Honours webpage for supervisor eligibility).
 - With the supervisor's input, draft and submit a thesis proposal to the Biology Honours Committee no later than May 15th of their third year of studies. See Honours webpage for thesis proposal guidelines, and admission procedures for Honours Co-op students.

Biology Honours webpage biology.dal.ca/honours/index.html

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Combined Honours program in Biology and another subject must complete the following:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03

Recommended:

- PHYC 1300X/Y.06 or equivalent
- MATH 1000.03 or MATH 1215.03

2000 level

- BIOL 2003.03 Diversity of Life I
- BIOL 2004.03 Diversity of Life II
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology

3000/4000 level

- A minimum of 12 additional credit hours in BIOL or BIOL-equivalent courses. One of the following options must be included:
 - BIOL 3050.03 Developmental Biology,
 - BIOL 3078.03 AND BIOL 3079.03 Principles of Animal Physiology Part I and Part II

If Biology is the primary subject, students will also complete

- BIOL 4900 X/Y.06 Honours Research and Thesis or BIOL 4901.03 and BIOL 4902.03 Honours Research and Thesis I & II (for co-op students)

Students are encouraged to consult the sections on Course Selection Guidelines BIOL-Equivalent Courses when selecting their 3000 and 4000 level courses.

BSc or BA (120 credit hour) Major in Biology

The 120 credit hour Major is suited to students who want to focus on Biology, but wish to have a program that is somewhat less constrained than the Honours program. It provides a four-year survey of Biology, and is designed for students not anticipating subsequent experimental graduate-level training in Biology or related disciplines. Biology Majors complete a minimum of 42 credit hours in BIOL or BIOL-equivalent courses above the 1000 level. Biology Majors do not have thesis (or related) requirements. Research and other experiential learning opportunities are available through laboratories, special topics and experiential courses. Students should plan their programs carefully and, if required, obtain advice from an academic advisor.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Biology. See Co-operative Education Program.

Core Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Major program in Biology must complete the following courses:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1060.03/STAT 1060.03 (if planning to take BIOL 2060.03)
- An additional three credit hours in MATH or STAT (BSc)

2000 level

- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- Any TWO of BIOL 2003.03 Diversity of Life I, BIOL 2004.03 Diversity of Life II, BIOL 2060.03 Introductory Ecology
- Three additional credit hours in BIOL or BIOL-equivalent courses at or above the 2000 level

3000/4000 level

- Minimum of 24 credit hours in BIOL or BIOL-equivalent courses at or above the 3000 level

Students are encouraged to consult Course Selection Guidelines and BIOL-Equivalent Courses when selecting their 3000 and 4000 level courses.

BSc or BA (120 credit hour) Double Major in Biology and another subject

The Double Major degree program allows students to combine a study of Biology with another subject. The other subject may be any discipline from the Faculty of Science (other than Marine Biology), the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Biology may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

The Biology requirements are the same for Biology as the primary or secondary subject. Students must complete a minimum of 30 credit hours in BIOL or BIOL-equivalent courses above the 1000 level. It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

A Co-op option is available for students enrolled in BSc Double Major with Biology as the primary subject. See Co-operative Education Program.

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Double Major program in Biology and another subject must complete the following:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1060.03/STAT 1060.03 (if planning to take BIOL 2060.03)
- An additional three credit hours of MATH or STAT (BSc)

2000 level

- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- Any TWO of
 - BIOL 2003.03 Diversity of Life I
 - BIOL 2004.03 Diversity of Life II
 - BIOL 2060.03 Introductory Ecology
- Three additional credit hours in BIOL or BIOL-equivalent courses at or above the 2000 level

3000/4000 level

- A minimum of 12 credit hours in BIOL or BIOL-equivalent courses at or above the 3000 level

Students are encouraged to consult the sections on Course Selection Guidelines and BIOL-Equivalent Courses when selecting their 3000 and 4000 level courses.

BSc or BA (90 credit hour) Minor in Biology

The 90 credit hour degree with Minor in Biology is appropriate for students who want to study some Biology but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Biology. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Biology is usually the preferred option for students who wish to combine studies in Biology with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program).

See the **Minor in Biology** section of this Calendar.

Minor in Biology

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

This minor is not available to students majoring in Marine Biology.

A BSc or BA (90 credit hour) degree program with a Minor in Biology is available to students in the Faculty of Science.

Requirements

- A minimum of 18 credit hours in Biology (BIOL) courses at the 2000 level or higher to a maximum of 36 credit hours.

Please note that upper level Biology (BIOL) courses have prerequisite requirements.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Co-operative Education Program (Science Co-op) in Biology

Co-op Academic Advisor: Mindy McCarville mindy.mccarville@dal.ca

Science Co-op is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Biology, or in Combined Honours or Double Major programs with Biology as the primary subject. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study, but application during the second year of study is possible. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Biology Co-op Academic Advisor and from the Co-operative Education office http://www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Biology, please see the Biology department webpage.

Minors available to students in Biology

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Biology may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Biology, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic

transcript.

A complete list of Faculty of Science Certificates and requirements. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section of the calendar.

Certificates of particular interest to student enrolled in a BSc or BA in Biology include:

- Certificate in Animal Behaviour
- Certificate in Environmental Impact Assessment
- Certificate in Genetics
- Certificate in Geographic Information Science
- Certificate in Science Leadership and Communication

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Biology with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Biology and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Biology and from the Faculty of Engineering in their first year of study.

Required Biology courses for a BSc/BEng or BA/BEng program in Biology

- A minimum of 18 credit hours in BIOL above the 1000 level

Note that there are prerequisite requirements for entry into upper level Biology courses.

Course Selection Guidelines

Biology is a large and diverse field, and students enroll in Biology programs with a corresponding diversity of interests and goals. While we encourage students to sample broadly across the various biological disciplines during their undergraduate years, we recognize that many students wish to emphasize one or more general areas within Biology. To help students select courses that fit their interests and goals, we have identified three general areas in Biology:

- A. Ecology and Evolution,
- B. Organismal Biology,
- C. Cell/Molecular Biology.

Below, we list courses associated with each area, and provide recommendations for designing individual programs at the third and fourth year levels.

IMPORTANT: Students should choose 2000 level courses in their second year with care, so that they will have the necessary pre-requisites to enroll in third and fourth year courses in their interest areas.

NOTE: These are not requirements. Students may select courses from any or all areas, provided they meet requirements for their degree program.

Ecology and Evolution

Ecology and Evolution (E&E) spans a broad range of concepts and applications from ecosystem ecology through population ecology to molecular evolution. A well-rounded course of study in Ecology or Evolution or both will include some courses in basic principles applicable to all organisms and habitats/ecosystems, as well as more specific courses on the details of how these principles play out in particular situations (e.g. taxa, habitats), and how these principles are applied to real world problems. In addition, a well-trained student in E&E should have both well-developed numerical skills as well as exposure to the application of E&E in broader society. Students wishing to emphasize E&E in their degree program should select courses from the following:

Principles: BIOL 3042, BIOL 3044, BIOL 3046, BIOL 3061, BIOL 3062, BIOL 3065, BIOL 3069, BIOL 3101

Biodiversity: BIOL 3067, BIOL 3221, BIOL 3301, BIOL 3322, BIOL 3327, BIOL 3620, BIOL 3622, BIOL 3626, BIOL 4060

Ecosystems: BIOL 3101, BIOL 3623, BIOL 3624, BIOL 3664, BIOL 3761, BIOL 4002, BIOL 4323, BIOL 4370, BIOL 4661, BIOL 4666, OCEA 3001, OCEA 3002, OCEA 3003, OCEA 3004

Evolution: BIOL 3102, BIOL 3326, EARTH 2205, EARTH 2420

Applications: BIOL 3060, BIOL 3063, BIOL 3225, BIOL 3226, BIOL 3328, BIOL 3329, BIOL 3580, BIOL 3600, BIOL 3601, BIOL 3623, BIOL 3624, BIOL 3634, BIOL 4001, BIOL 4065, BIOL 4160, BIOL 4335, BIOL 4369, PSY 2670, HSTC 2204

Organismal Biology

Organismal biology includes areas such as development, physiology and anatomy, as well the study of particular taxonomic groups. Students interested in organismal biology are encouraged to select courses from the following:

Developmental Biology: BIOL 3050

Physiology/Anatomy: BIOL 3078, BIOL 3079, BIOL 3326, BIOL 3421, BIOL 3430, PHYL 3120, PHYL 3140, BIOL 4074, BIOL 4404

Microbes: BIOL 2004, BIOL 3101, BIOL 3102, BIOL 3113, BIOL 4020

Algae/plants: BIOL 3221, BIOL 3225, BIOL 3226

Animals: BIOL 3067, BIOL 3301, BIOL 3322, BIOL 3326, BIOL 3327, BIOL 3622, BIOL 3626, BIOL 4060, EARTH 2420, MARI 3627

Organisms in the environment: BIOL 3062, BIOL 3101, BIOL 3600, BIOL 3615, BIOL 3620, BIOL 3623, BIOL 3630, BIOL 3664, BIOL 4323, BIOL 4369, BIOL 4370

General: BIOL 3024, BIOL 3404, BIOL 3503, BIOL 3580, BIOL 4061, BIOL 4062, BIOL 4063, BIOL 4664

Cell/Molecular Biology

Cell/molecular biology includes areas such as cell biology, molecular biology, genetics, biochemistry, microbiology, development, evolution and biotechnology. Students interested in cell/molecular biology are encouraged to consider the courses listed below. Note that Biology credit can be obtained for Microbiology, Biochemistry and Physiology courses above the 2000 level.

Biology: BIOL 3020, BIOL 3046, BIOL 3102, BIOL 4035

Microbiology: all MICI courses 2000 level or higher

Biochemistry: all BIOC courses 2000 level or higher

Neuroscience: NESC 2570, NESC 2670, NESC 3970

Physiology: all PHYL courses 2000 level or higher

BIOL-Equivalent Courses

Several other Dalhousie departments offer courses in one or more areas of Biology. Students enrolled in a 120 credit hour BSc or BA program in Biology may count any of the following courses toward their Biology program course requirements:

Any course cross-listed as a BIOL course

Agriculture (AGRI)	AGRI 1000
Anatomy (ANAT)	All ANAT courses 2000 level or higher
Animal Science (ANSC)	ANSC 2002, ANSC 2005, ANSC 2006, ANSC 3000, ANSC 3006, ANSC 4008
Aquaculture (AQUA)	AQUA 2000, AQUA 3000
Biochemistry (BIOC)	All BIOC courses 2000 level or higher
Biology (BIOA)	BIOA 2000, BIOA 2001, BIOA 2002, BIOA 2004, BIOA 2005, BIOA 2006, BIOA 2007, BIOA 2008, BIOA 3002, BIOA 3003, BIOA 3004, BIOA 3006, BIOA 3008, BIOA 4000, BIOA 4003, BIOA 4004
Environmental Science (ENVA)	ENVA 4002, ENVA 4003
Genetics (GENE)	GENE 3000, GENE 3001, GENE 4000, GENE 4003, GENE 4004
History (HIST)	HIST 2074, HIST 2995, HIST 3073, HIST 3074
History of Science and Technology (HSTC)	HSTC 1200, HSTC 2200, HSTC 3212
Microbiology (MICI)	All MICI courses 2000 level or higher

Microbiology (MCRA)	MCRA 2000, MCRA 3000, MCRA 4000
Marine Biology (MARI)	All MARI courses
Neuroscience (NESC)	NESC 3125, NESC 3440, NESC 4374, NESC 4375, NESC 4376, NESC 4377
Nutrition (NUTR)	NUTR 3000, NUTR 3001, NUTR 3002, NUTR 4000
Physiology (PHYL)	All PHYL courses 2000 level or higher
Plant Science (PLSC)	PLSC 3000, PLSC 4000, PLSC 4002, PLSC 4003, PLSC 4004
Psychology (PSYO)	PSYO 2160, PSYO 3162
Research Methods /Project Seminars (RESM)	RESM 4002, RESM 4003, RESM 4008, RESM 4009, RESM 4010, RESM 4011
Science, Interdisciplinary (SCIE)	SCIE 2000
Statistics (STATS)	STAT 4570

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

The normal entry requirement for admission to upper level courses in Biology is a grade of C+ or better in each of BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03 or in SCIE 1505.18. Students with a lower grade and extenuating circumstances may appeal to the department Undergraduate Curriculum committee. Students should go to the Biology Main Office for further details.

Consult the Biology Department's website for updates on new courses and suggested course combinations.

Biology courses are grouped into four general categories:

1. 1000 Level Courses

(BIOL 1010.03 or BIOL 1020.03) and (BIOL 1011.03 or BIOL 1021.03). These courses are the introductory university-level courses in biology.

2. 2000 Level Courses

All Biology majors (15, 20 credit and Honours) are required to take a core program at the 2000 level. Students should normally complete these core courses in their second year. The core program is designed to provide a basis for more advanced studies in Biology as well as to ensure that all majors are exposed to the general discipline or subject areas of biology. A variety of skills including writing, oral presentation, computer literacy, library use, and problem solving are integrated into the curriculum of these core courses along with 'hands-on' activities in the laboratory or field. The second-year core program covers five discipline areas:

1. Cell Biology - BIOL 2020.03
2. Diversity of Organisms (animals, plants and microbes)
 - BIOL 2003.03
 - BIOL 2004.03
3. Ecology - BIOL 2060.03
4. Evolution - BIOL 2040.03
5. Genetics and Molecular Biology - BIOL 2030.03

Students interested in BIOL-equivalent subjects (eg. biochemistry, microbiology, etc.) are advised to take the relevant second-year courses offered by these departments. This is not part of our core-program but is a prerequisite for entry into higher level courses in those departments.

Students majoring in subjects other than Biology can design their own programs and will not have to conform to these 2000 level core requirements.

3. 3000 Level Courses

These courses are mainly for second- and third-year students. All students should ensure they have the necessary prerequisite courses required for entry into 3000 level courses.

4. 4000 Level Courses

These courses are primarily for honours or major students. They are open to others with the permission of the instructor. Where biology courses are identified as being given in another department (eg. Anatomy), that department should be consulted for details.

Enrolment Limitations

Students intending to enroll in programs in Biology and Marine Biology should note that there are limitations on the number of students that can be accepted into 2000 and higher level courses in any given year. Passing the introductory Biology courses with the required minimum grade does not guarantee a place in any of these courses. Lecture courses are limited by room size. Additional size restrictions are imposed on laboratory courses because of equipment limitations and the much closer supervision required. Size limitations on 2000 and 3000 level laboratory courses are specified under the timetable listings for those courses. Students are advised to register as early as possible during the registration period to secure their space within their desired courses. Please note also that being registered for a course does not guarantee late admission. Students not appearing on the first day of a course may be deleted from course lists.

Course Descriptions

BIOL 1010 Principles of Biology Part I

CREDIT HOURS: 3

This course, which prepares students for more advanced courses in biology and allied subjects, surveys the fundamental principles of biology with an emphasis on those features common to all organisms. Topics covered include cell and molecular biology, genetics, and evolution. Knowledge of high school mathematics, chemistry and biology is recommended.

NOTES: Students wishing to continue as biology or marine biology majors should complete BIOL 1010 (or BIOL 1020) and BIOL 1011 (or BIOL 1021) in the first year of study. Students planning to take further courses in Biology or Marine Biology should read the Program Requirements for these degrees.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

EXCLUSIONS: BIOL 1020.03, SCIE (15XX), BIOA 1002.03

BIOL 1011 Principles of Biology Part II

CREDIT HOURS: 3

Biology 1011 broadens the background laid down in BIOL 1010 to include plant and fungi form and function, animal form and function, and ecology. Knowledge of high school mathematics, chemistry and biology is recommended

NOTES: Students wishing to continue as biology or marine biology majors should complete BIOL 1010 (BIOL 1020) and BIOL 1011 (BIOL 1021) in the first year of study. Students planning to take further courses in Biology or Marine Biology should read the Program Requirements

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

EXCLUSIONS: BIOL 1021.03, SCIE 15XX, BIOA 1003.03

BIOL 1020 Introductory Biology I: Cells, Genetics & Evolution

CREDIT HOURS: 3

Biology 1020.03 is the online distance education equivalent of BIOL 1010.03, and is offered in the fall, winter and summer terms. Topics include cell and molecular biology, genetics, and evolution. High school mathematics, chemistry, and biology is recommended. Learning activities include readings, quizzes, interactive multimedia, online labs and home labs.

NOTES: Students planning to take further courses in Biology or Marine Biology should read the Program Requirements for these degrees.

FORMAT: Online Delivery

EXCLUSIONS: BIOL 1010.03, SCIE 15XX, BIOA 1002.03

BIOL 1021 Introductory Biology II: Organismal Biology & Ecology

CREDIT HOURS: 3

Biology 1021.03 is the online distance education equivalent of BIOL 1011.03, and is offered in the fall, winter and summer terms. Topics include diversity of eukaryotic life, ecology, and plant and animal biology. High school mathematics, chemistry, and biology are recommended. Learning activities include readings, quizzes, interactive multimedia, online labs and home labs.

NOTES: Students planning to take further courses in Biology or Marine Biology should read the Program Requirements for these degrees.

FORMAT: Online Delivery
EXCLUSIONS: BIOL 1011.03 or SCIE 15XX, BIOA 1003.03

BIOL 1030 Biology for Engineers

CREDIT HOURS: 3

An introduction to Biology as it relates to Engineering, including a basic understanding of cell structure and function, genetics, ecology, the relationship between living systems and the man-made environment, and the relevance of Biology to industrial and engineering applications.

NOTES: This course is restricted to students registered in an Engineering program.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: BIOL 1010.03, BIOL 1011.03, BIOL 1020.03, BIOL 1021.03, SCIE 15XX

BIOL 1031 Introduction to Biology II

CREDIT HOURS: 3

A continuation of introductory Biology. Assumes a background in Cell Biology and Ecology. Topics presented at an introductory level include Genetics, Molecular Biology, Evolution, Organismal Diversity, and Plant and Animal Form and Function.

NOTES: Signature required; together with BIOL 1030.03 or SCIE 1530.27, this course provides the same introduction to Biology as BIOL 1010.03 and BIOL 1011.03

PREREQUISITE: SCIE 1530.27 or BIOL 1030.03 and (CHEM 1011.03 or CHEM 1021.03) and (MATH 1000.03 or STAT 1060.03 or MATH 1215.03)

BIOL 1050 Biology and Society

CREDIT HOURS: 3

Health, climate change, genetically modified organisms, species and the evolution of disease. Designed for non-majors this course introduces the basics of cell biology, genetics and evolution and how they affect our society. Students acquire a foundation for life-long learning and critical thinking in biology through lectures, independent study and lab activities. NOTE: This course is for students in an Arts program or program other than Biology.

FORMAT: Lecture| Lab

PREREQUISITE: None

EXCLUSIONS: BIOL 1010.03, BIOL 1020.03, SCIE 15XX

BIOL 2003 Diversity of Life

CREDIT HOURS: 3

Surveys the diversity of forms and function in invertebrate and vertebrate animals. Emphasis is placed on the invertebrate phyla and fish of marine environments, and on arthropods, birds and mammals on land. The course takes a phylogenetic approach, exploring the evolutionary relationships, and introduces examples of the different life forms.

NOTES: Students who took a Biology 1000-level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department preferably before registration begins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A grade of C+ or higher in BIOL 1011.03 or (BIOL 1021.03, BIOL 1031.03, BIOA 1003.03, SCIE 1505.18).

BIOL 2004 Diversity of Life II

CREDIT HOURS: 3

Introduces the main domains of plant, fungal and microbial life, based on modern phylogenetic taxonomy. Examines the diversity, structure, physiology and ecology of non – animal life forms. Reviews the origins of the main lineages of living things - Archaea, Eubacteria and Eukaryota, as well as the main groups of eukaryotes.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department preferably before registration begins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A grade of C+ or higher in BIOL 1010.03 or (BIOL 1020.03, or BIOA 1002.03 or BIOL 1030.03) and BIOL 1011.03 or (BIOL 1021.03, BIOA 1003.03, or BIOL 1031.03); or SCIE 1505.18.

BIOL 2020 Cell Biology

CREDIT HOURS: 3

An introduction to the eukaryotic cell. Major cell components and activities are described at ultrastructural and molecular levels with emphasis on mammalian systems. The concept of the cell as an integrated structural, functional unit is developed.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department, preferably before registration begins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A grade of C+ or higher in BIOL 1010.03 or (BIOL 1020.03, BIOL 1030.03, BIOA 1002.03) or SCIE 1505.18 or equivalent. RECOMMENDED: CHEM 1011.03 and CHEM 1012.03

EXCLUSIONS: BIOA 2001.03

BIOL 2030 Genetics and Molecular Biology

CREDIT HOURS: 3

The power and prominence of modern genetics have grown from a blend of classical and molecular approaches; both approaches are emphasized. Topics include: Mendelian, population and quantitative genetics; chromosome structure and variation; structure and function of nucleic acids; DNA replication, transcription and translation; gene expression; gene mutations; and genetic engineering.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department preferably before registration begins.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A grade of C+ or higher in BIOL 1010 or BIOL 1020.03 or BIOA 1002.03 or BIOL 1031.03 or DISP (SCIE 15XX) or equivalent.

RECOMMENDED: CHEM 1011.03 and CHEM 1012.03

EXCLUSIONS: GENE 2000.03

BIOL 2040 Evolution

CREDIT HOURS: 3

A thorough overview of the process of evolution. Genetic variation and changes in genetic composition of populations, the relationship between genetic and phenotypic change. Adaptation at various levels of organization (DNA to species), speciation, phylogeny, and macroevolutionary patterns. Introduces the full breadth of evolutionary concepts, preparatory to more advanced courses.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department, preferably before registration begins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: A grade of C+ or higher in BIOL 1010.03, BIOL 1020.03, BIOA 1002.03, BIOL 1031.03, BIOA 1003.03, SCIE 1505.18 or equivalent

EXCLUSIONS: BIOL 3041.03

BIOL 2060 Introductory Ecology

CREDIT HOURS: 3

Ecology examines interactions of plants and animals, including humans, with each other and with their non-living world. Topics include population growth, competition, predation, food webs, metapopulation dynamics, biodiversity and ecosystem function. The course has a quantitative approach providing a foundation for further work in ecology, marine biology and environmental science.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department, preferably before registration begins.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: A grade of C+ or higher in BIOL 1011.03, BIOL 1021.03, BIOA 1003.03, ENVS 1000.06, BIOL 1030.03, or (SCIE 1505.18); and a grade of D or higher in MATH/STAT 1060.03 or MATH/STAT 2080.03.

EXCLUSIONS: BIOA 3001.03

BIOL 2601 The Flora of Nova Scotia

CREDIT HOURS: 3

Introduction to the biodiversity of flowering plants (Angiosperms) found in Nova Scotia. A wide range of plant communities are visited on several day-long field trips. A focus on plant identification is supplemented with lessons in plant ecology, floral biology, pollination mechanisms, natural history, and human uses (e.g., edible, poisonous, medicinal).

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: One year of university courses

BIOL 2605 Introduction to Marine Life of Nova Scotia

CREDIT HOURS: 3

Introduction to the variety of marine life found in Nova Scotia. The diversity and zonation of invertebrates and macroalgae is explored on field trips to different shore environments, including a salt marsh, rocky shore and sandy beach. Lectures and laboratory-based investigations on live marine organisms complement the field trips.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca. Marine Biology students may NOT use this course as part of their major degree requirements. This course is aimed at non-majors who have completed at least one year of university.

FORMAT: Lecture| Lab

PREREQUISITE: One year of university courses

BIOL 3003 Introduction to Field Oceanography

CREDIT HOURS: 3

See course description for OCEA 3003.03 in the Oceanography section of the calendar.

BIOL 3020 Advanced Cell Biology

CREDIT HOURS: 3

The eukaryotic cell is a complex array of interconnected organelles. Topics include the processing of proteins during trafficking, how the cell interacts with its environment and how it integrates information, with an emphasis on signaling pathways. Lectures are supplemented with assigned readings of original research articles for discussion in class.

FORMAT: Lecture| Discussion

PREREQUISITE: BIOL 2020.03 or BIOA 2001.03 with a minimum grade of B or instructor's consent

BIOL 3024 Microscopy

CREDIT HOURS: 3

See course description for MICI 3024.03 in the Microbiology and Immunology section of the calendar.

BIOL 3042 Molecular Ecology

CREDIT HOURS: 3

We survey techniques of molecular genetic analysis and consider how they can be used to identify species, populations, sexes, individuals and family relationships, and study population attributes such as historical dispersal, contemporary connectivity, mating behaviour and effective population size. Evaluation is based on assignments,

a test and a final exam.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A grade of B- or better in each of BIOL 2030.03 (or GENE 2000.03), BIOL 2040.03, and BIOL 2060.03.

CROSS-LISTING: MARI 3042.03

EXCLUSIONS: BIOL 4042.03

BIOL 3044 Ecological Genetics

CREDIT HOURS: 3

An advanced examination of genetic variation in ecologically important (especially quantitative) traits. Topics will include determining whether a trait is inherited; natural selection in the wild; specialist vs. generalist strategies; how variation is maintained in the face of selection; trade-offs between competing selective pressures and selection for diversification.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2040.03 or BIOL 3041.03

EXCLUSIONS: BIOL 4044.03

BIOL 3046 Molecular Evolution

CREDIT HOURS: 3

This course examines the process of evolutionary change at the molecular level. It begins with the sources of mutation, and moves on to dynamics of population variation. The course culminates with a macro-evolutionary perspective on topics such as adaptive evolution and genetic co-option. This course is complementary to BIOC 4010.03 (Bioinformatics).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2030.03 (or GENE 2000.03) and BIOL 2040.03

BIOL 3050 Developmental Biology

CREDIT HOURS: 3

Lectures describe development as a sequence of processes and events, in which 'simple' structures such as fertilized eggs are progressively transformed into complex organisms. These events are governed by developmental 'rules' which have been determined through experimental study of animal and plant model organisms. Laboratories use live material whenever possible.

FORMAT: Lecture| Lab| Discussion

PREREQUISITE: BIOL 2020.03 (or BIOA 2001.03) and BIOL 2030.03 (or GENE 2000.03)

BIOL 3060 Environmental Ecology

CREDIT HOURS: 3

The ecological effects of pollution, disturbance, and other stressors, both anthropogenic and natural. Major subject areas are air pollutants, toxic metals, acidification, eutrophication, oil spills, pesticides, forestry, warfare, urban ecology, risks to biodiversity, and resource degradation. The overarching context of the course is ecological sustainability of the human economy.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) (or see instructor)

BIOL 3061 Communities and Ecosystems

CREDIT HOURS: 3

Part 1 includes ecosystem history and theory, complex systems and species interactions. Part 2 discusses community structure descriptors, interactions, stability, and food webs. Part 3 discusses the ecosystem approach, environmental management, ecosystem health and integrity, environmental indicators, ecological footprint, and resilience theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) or INTD 2001.03 or INTD 2002.03

BIOL 3062 Behavioral Ecology

CREDIT HOURS: 3

This course examines animal behaviour from an evolutionary perspective. Using the theory of natural selection as a basis, we will examine foraging, grouping patterns, territorial behaviour, parenting, mating behaviour, social organization, aggression and cooperation. There will be tutorials and essay assignments.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03)

BIOL 3063 Resource Ecology

CREDIT HOURS: 3

This course considers the ecology, utilization, and management of natural resources in fisheries, wildlife and forest management, agriculture and aquaculture. Topics include population dynamics, community interactions, and ecosystem support of resources as well as the history of resource utilization, practices of controlling production, pests, and predators, and sustainable management strategies.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and MATH 1000.03 (or MATH 1215.03 or SCIE 1505.18) and STAT 1060.03 (or SCIE 1505.18)

CROSS-LISTING: MARI 3063.03

BIOL 3065 Conservation Biology

CREDIT HOURS: 3

This course offers an introduction to conservation biology: the science of understanding and conserving biodiversity on Earth. Students learn how biodiversity change is assessed and what tools are used to prevent the extinction of species and the disruption of ecosystems. Tutorials involve oral presentations as well as a written essay, and an in-depth discussion of controversial topics.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 2

PREREQUISITE: BIOL 2060.03 or BIOA 3001.03

BIOL 3078 Principles of Animal Physiology Part I

CREDIT HOURS: 3

Lectures on the mechanisms which coordinate the activities of cells within multicellular organisms and permit such organisms to remain in homeostatic balance. The emphasis is on the mechanisms most widely distributed throughout the animal kingdom. The laboratories are designed to illustrate these principles in a variety of organisms.

NOTES: Students must complete 3078.03 before 3079.03

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03, and BIOL 2020.03 (or BIOA 2001.03)

CROSS-LISTING: MARI 3074.03

BIOL 3079 Principles of Animal Physiology Part II

CREDIT HOURS: 3

This course is a continuation of a discussion of the mechanisms which coordinate the activities of cells within multicellular organisms which began in BIOL 3078.03.

This term emphasizes the urinary, cardiovascular and respiratory systems. The laboratories reflect the approaches taken to study these systems in a variety of organisms.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 3078.03 or MARI 3074.03

CROSS-LISTING: MARI 3076.03

EXCLUSIONS: BIOA 3005.03

BIOL 3080 The Ecology and Evolution of Fishes

CREDIT HOURS: 3

The class examines selected topics on the ecology and evolution of marine and freshwater fishes. Topics include: phylogeny and systematics; functional morphology and physiology; population biology; life-history evolution; behavior; fisheries science; and conservation biology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A cumulative GPA of 2.7 (B-) or better in BIOL 2003.03, BIOL 2040.03, BIOL 2060.02 (or BIOA 3001.03)

CROSS-LISTING: MARI 3080.03

EXCLUSIONS: BIOL 3067.03, MARI 3067.03, BIOL 5067.03

BIOL 3101 Microbial Ecology

CREDIT HOURS: 3

Lectures on the ecology of bacteria, viruses and protists. Community structure, food web nutrient cycling, biogeochemical cycles, competition, succession and symbiosis are discussed with examples from marine, fresh-water and soil habitats. There is an emphasis on marine organisms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2004.03 (or MICI 2100.03), and BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: MARI 3101.03

BIOL 3102 Microbial Eukaryotes: Biodiversity and Evolution

CREDIT HOURS: 3

Microbial eukaryotes are of tremendous ecological, evolutionary and medical/veterinary importance. This course provides a comprehensive understanding of the biodiversity and evolution of both algal and protozoan eukaryotes, and examines important aspects of their organismal biology, including cell and genome organization, life histories, trophic strategies, locomotion and symbiosis.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2020.03 (or BIOA 2001.03) and BIOL 2004.03 (or MICI 2100.03)

BIOL 3221 Diversity of Algae

CREDIT HOURS: 3

This is a taxonomic introduction to the major algal groups (macrophytic and microscopic) with an emphasis on the marine seaweeds. Basic taxonomic differences are covered, along with an introduction to macrophyte ecology, human uses and symbioses. Laboratory sessions focus on morphology and reproduction.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOL 2004.03 or equivalent

CROSS-LISTING: MARI 3221.03

EXCLUSIONS: BIOL 3212.03, MARI 3212.03

BIOL 3225 Plants in the Human Landscape

CREDIT HOURS: 3

The use of plants for human recreation and aesthetic purposes in gardens, public parks, suburban and urban landscapes. Topics include: history of gardens, garden

design, plant materials, edible landscaping, plants and human health. The course includes field trips and group work and students complete a design project.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: BIOL 1010.03 or BIOL 1020.03 (C- or better) and BIOL 1011.03 or BIOL 1021.03 (C- or better); or SCIE 1505.18 or PLAN 2001.03

CROSS-LISTING: ENVS 3225, PLAN 3225

BIOL 3226 Economic Botany: Plants & Civilization

CREDIT HOURS: 3

See course description for ENVS 3226.03 in the Environmental Studies section of the calendar.

BIOL 3301 Invertebrate Biology

CREDIT HOURS: 3

A survey of the diversity, ecology and evolutionary history of the major invertebrate groups. Lectures will emphasize phylogenetics and diversity of body plans. Labs will emphasize identification and anatomy through dissections and observations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03

CROSS-LISTING: MARI 3301.03

EXCLUSIONS: BIOL 3321 X/Y.06

BIOL 3322 Parasitology

CREDIT HOURS: 3

The course emphasizes the parasite-host relationships, evolution of the parasites and adaptations to the host, modifications of physiology, structure and life cycle for a parasitic existence. Since the most extensive research pertains to parasites of man, the emphasis is on human parasites.

NOTES: Students who took a Biology 1000 level prerequisite prior to September 2013 and did not get a grade of C+ or higher should contact an advisor in the Biology Department preferably before registration begins.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: A grade of C+ or higher in BIOL 1010 (or BIOL 1020.03 or BIOA 1002.03) and BIOL 1011.03 (or BIOL 1021.03 or BIOA 1003.03) or SCIE 1505.18

BIOL 3326 Vertebrate Design: Evolution and Function

CREDIT HOURS: 3

Vertebrate Design explores 600 million years of vertebrate evolution, with particular attention to origins of major groups and the anatomical and functional innovations associated with their rise and diversification. Functional morphology of swimming, flying and terrestrial locomotion is also covered, along with the effect of body size on function.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03 and BIOL 2040.03

BIOL 3327 Entomology

CREDIT HOURS: 3

The course is an introduction to the study of insects. Topics include insect classification, evolutionary diversity, biology, ecology, behaviour, and various applied aspects. Through this survey of the insects, students will gain an appreciation of insect biodiversity as well as their economic and ecological importance.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03

EXCLUSIONS: BIOA 3000.03

BIOL 3328 Medical Entomology

CREDIT HOURS: 3

Medical Entomology covers direct injuries caused by arthropods such as phobias, annoyance, allergies, toxins, venoms and myiasis, arthropod transmission of vertebrate parasites, epidemiology of arthropod-borne diseases. Students study transmission of diseases, methods of surveillance of diseases, management by vector control and other methods of arthropod-borne diseases.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For date, times and special registration procedures, see seaside.science.dal.ca

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 3327.03 or BIOL 3322.03 or BIOA 3000.03, or permission of instructor

BIOL 3329 Applied Entomology

CREDIT HOURS: 3

Insects not only comprise more than half of the world's biodiversity, but influence human health and economic well-being in many ways. In this course students are introduced to insect pest management, agricultural, forest and medical entomology, forensic entomology, and insects in food science, beneficial and harmful insects.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 3327.03 or BIOA 3000.03 or the permission of the instructor

BIOL 3421 Comparative Vertebrate Histology

CREDIT HOURS: 3

See course description for ANAT 3421.03 in the Anatomy and Neurobiology section of this calendar.

BIOL 3430 Introduction to Human Histology

CREDIT HOURS: 3

See course description for ANAT 2160.03 in the Anatomy and Neurobiology section of the calendar.

BIOL 3503X/Y Knowing and Making the World: the history of science from the ancients to the moderns

CREDIT HOURS: 6

See course description for HSTC 2200X/Y.06 in the History of Science & Technology section of the calendar.

BIOL 3580 Philosophy of Biology

CREDIT HOURS: 3

See course description for PHIL 3420.03 in the Philosophy section of this calendar.

BIOL 3600 Aquaculture

CREDIT HOURS: 3

Through lectures, laboratories and field trips (additional fees apply), this course offers an introductory overview of aquaculture, the culturing of aquatic plants and animals. The following topics are covered with both a Maritimes and global perspective: overview, physico-chemistry of water, engineering, culture techniques, health, nutrition, genetics, environmental and socio-economic considerations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03

CROSS-LISTING: MARI 3600.03

BIOL 3601 Nature Conservation

CREDIT HOURS: 3

This interdisciplinary course explores relationships between humans and the natural world, including damage caused to species and ecosystems. The course looks at environmental ethics and world views, environmental philosophy, sustainability, the cultural expression of natural values (literature, music, art) and conservation science and actions, including the establishment of protected areas.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 1010.03 (or BIOL 1020.03 or BIOA 1002.03) and BIOL 1011.03 (or BIOL 1021.03 or BIOA 1003.05); or SCIE 15XX, or permission of instructor

BIOL 3615 Methods in Ecology

CREDIT HOURS: 3

Through participation in several class projects, students obtain experience conducting field studies and laboratory experiments. Projects include a range of ecological questions, techniques, organisms, and ecosystems. Students collect, analyze, and interpret their own data in formal scientific reports. Recommended for students interested in ecological research, or environmental field sampling.

NOTES: Additional fees are charged to cover the cost of field trip transportation.

FORMAT: Lab

PREREQUISITE: BIOL 2060.03, (or BIOA 3001.03) and MATH/STAT 1060 (or SCIE 1505.18) and at least one diversity class (e.g. BIOL 2003 or BIOL 2004)

RECOMMENDED: STAT 2080

CROSS-LISTING: ENVS 3615

EXCLUSIONS: BIOL 3614

BIOL 3620 Field Survey of Terrestrial Biodiversity

CREDIT HOURS: 3

Measuring and interpreting trends in the biodiversity of organisms in terrestrial environments. Field-intensive, with one week spent camping at a field station.

Techniques for identification of major groups (lichens, mosses, higher plants, insects, amphibians, birds, mammals), sampling presence and abundance of species, and relating trends to natural and anthropogenic variation.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03) or permission of instructor

BIOL 3622 Ornithology

CREDIT HOURS: 3

Overview of avian biology and techniques for the scientific study of bird populations, including identification by sight and sound. Field-intensive, with 8 days in the field, including one week camping at a field station in southwestern Nova Scotia to conduct research on birds in their natural habitats.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 or BIOL 2060.03 or BIOA 3001.03, or permission of instructor

BIOL 3623 Applied Coastal Ecology

CREDIT HOURS: 3

Impacts of anthropogenic inputs on the structure and function of coastal ecosystems. Through field trips and other classwork, students examine ecosystem health, e.g., in macroalgal communities on rocky shores, in seagrass beds on sedimentary shores, and learn basic experimental design, principles of environmental assessment and

monitoring, and coastal habitat remediation.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca. Not offered every year.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: ENVS 3623.03, MARI 3623.03

BIOL 3624 Urban Freshwater Systems

CREDIT HOURS: 3

Ecology of urban freshwater systems with a focus on understanding how they respond to human-caused stresses within their watersheds. Students conduct case studies at nearby lakes and/or streams to monitor water quality and characterize resident communities of plants and animals. Evaluation is based on individual and group research reports.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 or BIOA 3001.03 and MATH 1060.03 (or STAT 1060.03 or DISP) or permission of instructor

CROSS-LISTING: ENVS 3624.03

BIOL 3626 Field Studies of Marine Mammals

CREDIT HOURS: 3

Hands-on introduction to research on marine mammals. Lectures provide an overview of marine mammal adaptations, evolution, population biology, social organization, conservation, and management. Labs include a necropsy and techniques of photographic identification of individuals. On a several-day camping trip, students observe marine mammals from whale-watch boats and conduct research projects.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and BIOL 3062.03 (or BIOL 3630.03 or PSYO 2160.03), and MATH 1060.03/STAT 1060.03

CROSS-LISTING: MARI 3626.03

BIOL 3628 Marine Ornithology

CREDIT HOURS: 3

Overview of the biology of birds in marine environments. Seabird ecology, evolution, adaptations, identification, and natural history. Tools and techniques for studying their behaviour, diet, and populations in the field. Lectures, exercises, and a week-long field trip to Maritime seabird breeding colonies. Student team and independent research projects and presentations.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

PREREQUISITE: BIOL 1010 or BIOL 1020 or equivalent, and BIOL 1011 or BIOL 1021 or equivalent, or SCIE 15XX, one of BIOL 2003 or BIOL 2004, and BIOL 2060, or instructor's permission. Knowledge of statistics, Geographic Information Systems (GIS), and familiarity with Excel spreadsheets are helpful, but not required, for research projects.

CROSS-LISTING: MARI 3628.03

BIOL 3630 Field Methods in Animal Behaviour

CREDIT HOURS: 3

First-hand experience in studying animal behaviour in the field. Day-long field exercises teach basic methods, then students plan, conduct, write up, and orally present a 5-day project of their own.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 3062.03 or PSYO 2160.03 or PSYO 3160X/Y.06 or permission of instructor

BIOL 3632 Applied Field Methods in Fish Ecology

CREDIT HOURS: 3

Practical experience conducting field research on fishes with field trips to streams and shallow water marine/freshwater habitats. Techniques include collecting fish, designing and conducting surveys, studying behaviour, measuring phenotypic variability, quantifying temporal and spatial variation, planning for statistical analysis, and weighing tradeoffs between data quality, quantity, costs and ethical/environmental considerations.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and STAT 1060.03 (or MATH 1060.03 or SCIE 1505), or their equivalents, or permission of instructor. STAT 2080 is recommended.

CROSS-LISTING: MARI 3632.03, ENVS 3632.03

BIOL 3633 Spatial Information and GIS in Ecology

CREDIT HOURS: 3

A hands-on approach to understanding and using spatial information, this course introduces students to Geographic Information Systems (GIS) as a tool to answer ecological questions. Together, students conduct a major field project, collecting data, creating maps using GIS, and interpreting spatial patterns, to address an applied problem in ecology.

NOTES: Offered in the summer through **SEASIDE**. an auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 or BIOA 3001.03

CROSS-LISTING: ENVS 3633.03, GEOG 3633.03

BIOL 3634 Agroforestry

CREDIT HOURS: 3

Agroforestry is a land-use system in which trees or shrubs are grown in association with agricultural crops or livestock. As practiced in the tropics, agroforestry generates numerous ecological, environmental and economic benefits. This hands-on, field-intensive course provides a foundation for understanding this traditional practice and its applications in North America.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times, and special registration procedures, see seaside.science.dal.ca

PREREQUISITE: BIOL 2060.03 or AGRI 1000.03 or BIOA 3001.03 or permission of the Instructor. An additional class on the biology, ecology, diversity or physiology of plants is recommended.

BIOL 3640 Tropical Ecology and Biodiversity Field Class

CREDIT HOURS: 6

Hands-on introduction to tropical ecology, biodiversity, and conservation. Includes 18-day field trip to Belize to visit a variety of tropical terrestrial, freshwater, and marine ecosystems, quantify habitats, identify species, study animal behavior, and examine ecological interactions. Evaluation includes lecture and field tests, field notebooks, presentations, reports, and an independent research project.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see: seaside.science.dal.ca.

PREREQUISITE: Introductory biology (BIOL 1010 or BIOL 1020, and BIOL 1011 or BIOL 1021, or equivalent); a diversity course (one of BIOL 2003 or BIOL 2004, or equivalent), and Introductory Ecology (BIOL 2060), or instructor's permission. An introductory course in statistics (STAT 1060 or similar) is recommended.

BIOL 3664 Intertidal Ecology and Diversity

CREDIT HOURS: 3

Hands-on, intensive introduction to ecological research on rocky shores, tidal flats, and sandy beaches. Relevant ecological concepts, sampling techniques for flora and fauna, and statistical skills are learned. Field sampling on day and camping trips is followed by lab work (e.g., identification of seaweeds, invertebrates), statistical analysis, and report preparation.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), and STAT 1060.03 (or MATH 1060.03 or SCIE 15xx), and BIOL 2003.03

CROSS-LISTING: ENVS 3664.03, MARI 3664.03

EXCLUSIONS: BIOL 3662.03, BIOL 3663.03

BIOL 3665 Food Web Assembly and Modelling

CREDIT HOURS: 3

Students will examine the structure and functioning of ecological communities through a lens of "who eats whom" predator-prey feeding interactions through field studies, experiments, and computer simulations.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: MATH 1060.03 (or STAT 1060.03) and BIOL 2060.03 (or BIOA 3001.03)

RESTRICTIONS: This course is restricted to third and fourth year students, or with permission of the instructor.

EXCLUSIONS: For third year and above or with permission of the instructor

BIOL 3666 Species Invasions

CREDIT HOURS: 3

Students will examine species invasions, the establishment of non-native species in new communities, using an interdisciplinary framework incorporating impacts, theory, and management and control of invasive species.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003

RESTRICTIONS: This course is restricted to third and fourth year students, or with permission of the instructor.

BIOL 3680 Scientific Diving Methods for Marine Ecology

CREDIT HOURS: 3

This course introduces students that are certified divers to the practice of underwater research using SCUBA. It combines lectures with supervised dives in various marine habitats to demonstrate the application of standard sampling and experimental procedures in marine ecology, with an emphasis on logistical considerations and diving safety.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03, BIOL 2060.03 or BIOA 3001.03, STAT 1060.03 or DISP, internationally recognized diving certification, diving physical; recommended: BIOL 3321.03, BIOL 3301.03

CROSS-LISTING: MARI 3680.03

BIOL 3761 Marine Ecology

CREDIT HOURS: 3

Building upon an understanding of basic ecological and evolutionary principles, and a familiarity with the major marine invertebrate and algal taxa, this course examines patterns and processes at the organismal, population and community levels that determine the diversity and distribution of life in the sea.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and (BIOL 2003.03 or BIOL 2004.03), and OCEA 2000X/Y.06 or (OCEA 2001.03 and OCEA 2002.03)

CROSS-LISTING: MARI 3761.03

RESTRICTIONS: This course is restricted to 3rd and 4th year students.

BIOL 3762 Terrestrial Ecology

CREDIT HOURS: 3

This course provides a conceptual framework for understanding the function of terrestrial ecosystems. One week at a field station in Nova Scotia provides practical experience with forest, bog and agroecosystems. Topics include soil profiles and nutrients; plant productivity and interactions; and ecological roles of microorganisms, lichens, fungi, insects, and vertebrates.

NOTES: Offered in summer through **SEASIDE**. An auxiliary fee is charged to cover field expenses. For dates, times, and special registration procedures see seaside.science.dal.ca

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 or BIOL 2004.03 , and BIOL 2060.03 (or BIOA 3001.03)

BIOL 3800 Experiential Learning

CREDIT HOURS: 3

Experiential Learning recognizes the learning experience relevant to the program outside the scheduled curriculum. Students are responsible for drafting a learning agreement with the course coordinator and supervisor to specify learning outcomes, activities designed to accomplish these outcomes, a quantifiable assessment strategy and a timetable.

NOTES: To register in this course, a student must first find a suitable supervisor and sign a learning agreement between the course coordinator, the student and the supervisor.

PREREQUISITE: Students must be registered in a Biology or Marine Biology program, have completed a minimum of 18 credit hours in Biology above the 1000 level and have a minimum cumulative GPA of 2.4 or permission of course coordinator.

CROSS-LISTING: MARI 3800.03

EXCLUSIONS: Scheduled courses at a learning institution, study that would qualify for a Special Topics course, an Honours project, co-op work terms and paid work. Only one experiential learning course per degree is permitted.

BIOL 4001 Environmental Impact Assessment

CREDIT HOURS: 3

This course provides an opportunity to explore all aspects of environmental impact assessment (EIA) as practiced in Canada and in other countries. The course traces the development of EIA over the past 30 years and critically examines the scientific, procedural and political dimensions.

NOTES: All students taking BIOL 4001.03 or ENVS 4001.03 must have completed 90 credit hours and be in their fourth year of study or have permission of instructor.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENVS 1000X/Y.06 or BIOL 2060.03 (or BIOA 3001.03) or EARTH 2410.03 or GEOG 2100X/Y.06 or GEOG 2201.03 or GEOG 2202.03 or INTD 2001.03 or INTD 2002.03 or OCEA 2000X/Y.06 (or OCEA 2001.03 and OCEA 2002.03) or SUST 2000.06 or SUST 2001.06.

RESTRICTIONS: This class is restricted to For 3rd and 4th year students.

BIOL 4002 The Science of Wetland Ecosystems

CREDIT HOURS: 3

See ENVS 4002.03 in the Environmental Science section of the calendar.

BIOL 4035 Human Genetics

CREDIT HOURS: 3

See BIOC 4835 in the Biochemistry section of the calendar.

BIOL 4060 Marine Mammalogy

CREDIT HOURS: 3

The course will examine the characteristics that mammals brought with them when they returned to the ocean, the evolution of the different groups of marine mammals, some of their special adaptations, the roles of marine mammals in oceanic ecosystems and general principles of marine mammal population biology. Students will use information on the biology of marine mammals to explore conservation/management issues.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: MARI 4060.03

RESTRICTIONS: This course is restricted to For 3rd and 4th year students in BIOL, ENVS, MARI, OCEA, and OCSC major/ honours program.

BIOL 4061 Design of Biological Experiments

CREDIT HOURS: 3

This course introduces students with previous training in univariate statistics to the practice and pitfalls of experimental design and data analysis in biology. Lectures and take-home exams are used to demonstrate the fundamentals of design and analysis, with emphasis on potential problems and how they are overcome.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2080.03 or STAT 2080.03 or ECON 2280.03 (Grade of B+ or higher); offered to well prepared honours students as well as graduate students

BIOL 4062 Analysis of Biological Data

CREDIT HOURS: 3

The course introduces students to techniques available for the analysis of biological data, including regression, general linear models and multivariate methods.

Emphasis is on the practical use of these techniques rather than derivations. Students analyze real and realistic data sets, and are assessed on write-ups of these analyses.

PREREQUISITE: STAT 2080.03 or ECON 2280.03 or MATH 2080.03

BIOL 4065 Sustainability and Global Change

CREDIT HOURS: 3

Sustainability emphasizes equitable societies, protected environments, and robust economies. Most countries pursue Sustainable Development yet the concept remains controversial, and defined differently in the North and the South. The global trends focus on those that relate to environment and sustainability. Discussion format with Blackboard Learning/Internet assignments.

FORMAT: Lecture| Discussion

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and one of BIOL 3003.03, BIOL 3060.03, BIOL 3061.03, BIOL 3062.03, BIOL 3063.03, BIOL 3065.03, BIOL 3066.03, BIOL 3067.03, BIOL 3068.03, BIOL 3069.03, BIOL 3080.03, BIOL 3101.03, BIOL 3601.03, BIOL 3615.03, BIOL 3601.03, or BIOL 3623.03, BIOL 3624.03, BIOL 3664.03, BIOL 3761.03 or BIOL 3762.03, or INTD 2001.03 or INTD 2002.03 or permission of instructor

BIOL 4080 Laboratory Studies of Fishes

CREDIT HOURS: 3

Through a series of laboratory exercises, the course provides students with practical experience on various topics related to the study of ichthyology. Topics shall include the following: species identification; meristics and morphometrics; use of dichotomous keys; internal and external morphology; ageing and growth determination; ecomorphological attributes; data collection and analysis.

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 3080.03 or MARI 3080.03

CROSS-LISTING: MARI 4080.03

EXCLUSIONS: BIOL 3067.03, MARI 3067.03, BIOL 5067.03

BIOL 4160 Political Ecology

CREDIT HOURS: 3

Political ecology (PE) examines the politics of the environment but not on specific policies, political theories, or ideologies. PE considers an interacting array of political and socio-economic forces that shape human-environmental relationships. International case studies will be evaluated using several PE tools. Discussion format with Blackboard Learning/Internet assignments.

FORMAT: Discussion

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), and one of BIOL 3003.03, BIOL 3060.03, BIOL 3061.03, BIOL 3062.03, BIOL 3063.03, BIOL 3065.03, BIOL 3067.03, BIOL 3069.03, BIOL 3101.03, BIOL 3601.03, BIOL 3623.03, BIOL 3624.03, BIOL 3761.03, BIOL 3762.03, or INTD 2001 or INTD 2002 or permission of instructor

BIOL 4220 Plant Cell Biology

CREDIT HOURS: 3

This course covers the structure, function, and dynamic properties of plant cellular components including constituent organelles, cytoskeleton, and the cell wall. Current areas of research such as programmed cell death, cell signalling and cellular trafficking are discussed in depth. The course consists of lectures, student seminars, and report writing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2020.03 (or BIOA 2001.03) , and BIOL 2004.03 or BIOL 3050.03 with a minimum of B- in these course or permission of the instructor

BIOL 4302 Molecular Immunology

CREDIT HOURS: 3

See course description for MICI 4302.03 in the Microbiology and Immunology section of this calendar.

BIOL 4323 Biologging in Ecology

CREDIT HOURS: 3

This course explores the fundamentals and applications of biologging and biotelemetry: the use of electronic tags to study free-ranging animals and their environment. Students are introduced to the wide range of tags and their diverse applications in biology.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), or PSYO/NESC 2160.03 or permission of the instructor.

CROSS-LISTING: MARI 4323.03

BIOL 4335 Environmental Impacts in Marine Ecosystems

CREDIT HOURS: 3

See course description for OCEA 4335.03, in the Oceanography section of this calendar.

BIOL 4369 Fisheries Oceanography

CREDIT HOURS: 3

See course description for OCEA 4160.03 in the Oceanography section of this calendar.

BIOL 4370 Deep Sea Biology

CREDIT HOURS: 3

See course description for MARI 4370.03 in the Marine Biology section or OCEA 4370.03 in the Oceanography section of this calendar.

PREREQUISITE: (BIOL 2060 or BIOA 3001) and OCEA 2000 or (OCEA 2001 and OCEA 2002)

BIOL 4444 Leadership in Science

CREDIT HOURS: 3

Students develop leadership skills and build confidence while applying their scientific knowledge. Through in-class activities and a science-based practicum, students gain experience with various aspects of leadership, allowing for integration and application of their expertise.

PREREQUISITE: Instructor permission. Students should have completed at least three third year courses in their declared major and have a minimum of B+ average in their major.

CROSS-LISTING: SCIE 4444.03

RESTRICTIONS: This course is restricted to For 3rd and 4th year students

BIOL 4661 Biological Oceanography

CREDIT HOURS: 3

See course description for OCEA 4140.03, in the Oceanography section of this calendar.

PREREQUISITE: OCEA 2000 or (OCEA 2001 and OCEA 2002) and OCEA 2020 and OCEA 2021

BIOL 4662 Biology of Phytoplankton

CREDIT HOURS: 3

See course description for OCEA 4230.03 in the Oceanography section of this calendar.

BIOL 4664 History of Marine Sciences

CREDIT HOURS: 3

See course description for MARI 4664.03 in the Marine Biology section, or SCIE 4001.03 in the Science, Interdisciplinary section of this calendar.

BIOL 4666 Benthic Ecology

CREDIT HOURS: 3

See course description for OCEA 4330.03 in the Oceanography section of the calendar.

BIOL 4667 Census of Marine Life

CREDIT HOURS: 3

The Census of Marine Life recorded over 250,000 known species of eukaryotes in the world's oceans. In this course, the Senior Scientist for Census 2010 examines the diversity, distribution and abundance of marine biota globally and reviews new approaches to discover new species and to monitor responses to climate change.

FORMAT: Lecture| Discussion

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03) and 18 credit hours of BIOL, MARI, or OCEA courses

CROSS-LISTING: MARI 4667.03

RESTRICTIONS: This course is restricted to For 3rd and 4th year students

BIOL 4806 Special Topics in Biology

CREDIT HOURS: 3

Independent study intended for students who wish to study an area of biology not covered in other courses. Students should first consult with a faculty member to arrange the topic of study. An outline of the course content must be approved by the Chair of the Biology Undergraduate Curriculum Committee.

NOTES: For registration forms and further information see: <http://biology.dal.ca/Undergraduate/index.htm>

BIOL 4807 Special Topics in Biology

CREDIT HOURS: 3

Independent study intended for students who wish to study an area of biology not covered in other courses. Students should first consult with a faculty member to arrange the topic of study. An outline of the course content must be approved by the Chair of the Biology Undergraduate Curriculum Committee.

NOTES: This course is for students who have already completed one Special Topics course. For registration forms and further information see:

<http://biology.dal.ca/Undergraduate/index.htm>

BIOL 4809 Special Topics in Biology

CREDIT HOURS: 3

Independent study intended for students who wish to study an area of biology not covered in other courses. Students should first consult with a faculty member to arrange the topic of study. An outline of the course content must be approved by the Chair of the Biology Undergraduate Curriculum Committee.

NOTES: This course is for students who have already completed two Special Topics courses. For registration forms and further information see: <http://biology.dal.ca/Undergraduate/index.htm>

BIOL 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

LECTURE HOURS PER WEEK: 1

TUTORIAL HOURS PER WEEK: 2

PREREQUISITE: ENVS 3500 or EARTH3500 or GEOG 3500 and EARTH 4520 or GEOG 4520; and permission of instructor.

CROSS-LISTING: ENVS 4850/ERTH 4850/GEOG 4850/SCIE 4850

RESTRICTIONS: This course is restricted to 3rd and 4th year students.

BIOL 4900X/Y Honours Research and Thesis

CREDIT HOURS: 6

This course is required of, and restricted to, all Biology Honours programs in which Biology is the major area of study. Students conduct a research project supervised by a research scientist and attend weekly meetings of the class.

NOTES: The course grade is based on the results of the research which are submitted in April as an Honours Thesis, an oral presentation about the research to the class, and an oral or poster presentation at the Honours Cameron Conference in February. Co-op students attend this course by registering for BIOL 4901 and BIOL 4902.

See details about selecting a supervisor for the honours research under general requirements for Biology honours program or on the honours page of Biology website

<http://biology.dal.ca/honours/under.html>.

CROSS-LISTING: MARI 4900X/Y.06

RESTRICTIONS: Honours students are normally in their final year of study.

BIOL 4901 Honours Research and Thesis I

CREDIT HOURS: 3

This is required of, and restricted to, all Biology Co-op Honours programs. The course description is the same as for Biology 4900X/Y. Students attend BIOL 4901 in the Winter term of their 4th year and BIOL 4902 in the Fall term of their 5th year to accommodate their work terms.

NOTES: BIOL 4901 and BIOL 4902 must be taken in consecutive winter/fall terms to get a grade for either course. No grade will be recorded for BIOL 4901 until BIOL 4902 is also completed and the final Honours Thesis has been evaluated.

CROSS-LISTING: MARI 4901.03

RESTRICTIONS: Students in the Biology Co-op Honours Programme, normally in their final year of study.

EXCLUSIONS: BIOL 4900.06 and MARI 4900.06

BIOL 4902 Honours Research Thesis II

CREDIT HOURS: 3

This is the 2nd half of the required course for Biology Co-op honours students. The course description is the same as for Biology 4900X/Y. Students attend 4902 in the fall of their 5th year.

NOTES: BIOL 4901 and BIOL 4902 must be taken in consecutive winter/fall terms to get a grade for either course. No grade will be recorded for BIOL 4901 until BIOL 4902 is also completed and the final Honours Thesis has been evaluated.

CROSS-LISTING: MARI 4902.03

RESTRICTIONS: Students in the Biology Co-op Honours Programme, normally in their final year of study.

EXCLUSIONS: BIOL 4900.06 and MARI 4900.06

BIOL 8891 Co-op Work Term I

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03

BIOL 8892 Co-op Work Term II

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03, BIOL 8891.00

BIOL 8893 Co-op Work Term III

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03, BIOL 8892.00

BIOL 8894 Co-op Work Term IV

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03, BIOL 8893.00

Chemistry

Location:

Building/Room: Chemistry Building

Street Address 1: 6274 Coburg Road

Street Address 2: 2nd Floor

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3305

Fax: (902) 494-1310

Website: chemistry.dal.ca

Email Address: chemistry@dal.ca

Introduction

Chemistry is often called the central science because of its relevance to so many other disciplines. Understanding the composition and properties of matter, as well as the manner in which one substance is transformed into another, is essential to the study of our physical and natural worlds. As such, chemistry is often a starting point for many different careers in science. A variety of programs are available, ranging from focused studies to interdisciplinary options to suit the interests of the student.

A chemistry degree involves considerable breadth of training in the major branches of chemistry. These include organic, inorganic, physical, analytical and biological chemistry. In addition to establishing a solid foundation in the fundamental principles of chemistry, students who undertake a chemistry degree develop essential skills that include problem solving, critical thinking, organization, data analysis, and written and oral communication. The laboratories associated with courses develop the necessary experience with laboratory procedures, equipment and safety, and serve to reinforce the concepts learned in lecture.

Degree Programs

The Department of Chemistry offers the following degree programs in Chemistry

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Chemistry
- Minor in Chemistry

- * BSc Co-op option available
- * May be combined with Minor programs from other disciplines

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment in the Faculty of Science, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects; otherwise the student should consult the calendar of the appropriate year.

The 120 credit hour Concentrated Honours and Major degrees, as well as corresponding Co-op programs, are accredited by the Canadian Society for Chemistry (CSC). CSC accreditation ensures that graduates of these programs have met certain criteria concerning the quantity and quality of their instruction. It qualifies such graduates for membership in the CSC and to practice chemistry as professionals.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Chemistry undergraduate academic advisor.

Students who participated in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chairperson of Department

Schepp, N. P.

Graduate Coordinator

Stradiotto, M.

Co-op Academic Advisor

Zhang, P.

Faculty Undergraduate Advisors

Laws, P. A. (902 494-6143) First year Coordinator
MacDonald, J. L. (902 494-2440) DUUCS advisor
Wentzell, P. D. (902 494-3708) Chair
Whalen, J. M. (902 494-4467) Outreach
White, R. L. (902 494-6403) Transfer credits
Zheng, P. (902 494-3323) Co-op

Professors Emeriti

Aue, W. A., PhD (Vienna), FCIC
Boyd, R. J., BSc (UBC), PhD (McGill), FCIC
Coxon, J. A., BA (Cambridge), MSc, PhD (East Anglia)
Knop, O., DSc (Laval), FCIC

Kwak, J. C. T., BSc, MSc, PhD (Amsterdam), FCIC

Professors

Bearne, S. L., BSc (Acadia), PhD (Toronto), MDCM (McGill), cross-appointment from Biochemistry and Molecular Biology

Becke, A. D., BSc (Queen's), MSc, PhD (McMaster), FRSC, FRS, FCIC, Killam Chair in Computational Science, Shirreff Chair of Chemistry

Burnell, D. J., BSc, MSc (Carleton), PhD (UNB)

Dahn, J. R., BSc (Dalhousie), MSc, PhD (UBC), Canada Research Chair in Battery and Fuel Cell Materials, NSERC/3M Canada Inc. Industrial Research Chair and cross-appointment from Physics and Atmospheric Science

Jakeman, D. L., BSc, PhD (Sheffield), cross-appointment from College of Pharmacy

Martin, R. V., BS (Cornell), MSc (Oxford), PhD (Harvard), cross-appointment from Physics and Atmospheric Science

Stradiotto, M., BSc, PhD (McMaster), Faculty of Science Killam Professor, Alexander McLeod Professor of Chemistry

Thompson, A., BSc (Leicester), PhD (Sheffield), Faculty of Science Killam Professor

Wentzell, P. D., BSc (Dalhousie), PhD (Mich State)

White, M. A., BSc (Western), PhD (McMaster), FCIC, FRSC, University Research Professor and cross-appointment with Physics and Atmospheric Science

Zwanziger, J. W., BA (Chicago), PhD (Cornell), Canada Research Chair in NMR Studies of Materials, cross-appointment with Physics and Atmospheric Science

Associate Professors

Andreas, H. A., BSc, PhD (Calgary)

Cozens, F. L., BSc (York), PhD (Toronto)

Doucette, A. A., BSc (Dalhousie), PhD (Alberta)

Obrovac, M. N., BSc (SFU), MSc, PhD (Dalhousie), Industrial Research Chair in Materials Science, cross-appointment with Physics and Atmospheric Science

Rainey, J. K., BSc (Guelph), MSc, PhD (Toronto) Director of NMR-3, cross-appointment from Biochemistry and Molecular Biology

Schepp, N. P., BSc, PhD (Toronto)

Turculet, L., BSc (MIT), PhD (Berkeley)

White, R. L., BSc (Dalhousie), PhD (McMaster), FCIC

Zhang, P., BSc, MSc (Jilin U, China), PhD (Western), cross appointment with School of Biomedical Engineering

Assistant Professor

Welch, G. C., BSc (Calgary), PhD (Windsor), Canada Research Chair in Organic Functional Materials

Senior Instructors

Alemán Milán, G., BEng (Superior Polytechnic Institute of Havana), MSc, PhD (Dalhousie)

Laws, P. A., BSc (Acadia), MSc (Dalhousie), BEd (MSVU)

Thompson, K. E., BSc (Acadia), MBA (SMU)

Instructors

MacDonald, J. L., BSc, BTech (CBU), PhD (Dalhousie)

Moya Barrios, R., BSc (U of Havana, Cuba), MSc, PhD (Dalhousie)

Whalen, M., BSc (Dalhousie), PhD (McMaster)

Adjunct Professors

Boyd, R. J., BSc (UBC), PhD (McGill), FCIC

Cameron, T. S., BA, MA, DPhil (Oxon), Dalhousie University, Halifax, NS

Chatt, A., BSc (Calcutta), MSc (Roorkee), MSc (Wat), PhD (Toronto), FCIC, Dalhousie University, Halifax, NS

Grindley, T. B., BSc, MSc, PhD (Queen's), FCIC, Dalhousie University, Halifax, NS

Grossert, J. S., BSc, MSc, PhD (Natal), FCIC, Dalhousie University, Halifax, NS

Kralovec, J., MSc (U of Chemical Technology, Prague); PhD (Czech Academy of Sciences, Prague), Ocean Nutrition, Dartmouth, NS

Matta, C., BPharm Sci (Alexandria U, Egypt), Graduate Diploma in Health and Hospital Administration (National Institute of Management, Egypt), PhD (McMaster), Mount Saint Vincent University, Halifax, NS

Pacey, P. D., BSc (McGill), PhD (Toronto), FCIC, Dalhousie University, Halifax, NS

Pincock, J. A., BSc, MSc (Man), PhD (Toronto), FCIC, Dalhousie University, Halifax, NS

Pinto, D. M., BSc (McGill), PhD (Alberta), Institute for Marine Biosciences, Halifax, NS

Pottie, I. R., BSc (SMU), PhD (MUN), Mount Saint Vincent University, Halifax, NS
Quilliam, M., BSc, PhD (Manitoba), National Research Council, Institute for Marine Biosciences, Halifax, NS
Ramaley, L., BA (Colorado), MA, PhD (Princeton), FCIC, Dalhousie University, Halifax, NS
Weaver, D. F., MD, PhD (Queen's), FRCP(C) (Dalhousie), FCIC, Toronto Western Research Institute, UHN/University of Toronto
Werner-Zwanziger, U., Vordiplom (Mathematics), Diploma (Chemistry), PhD (Westfälische Wilhelms-Universität Münster, Germany), Dalhousie University, Halifax, NS

Part-time Academics

Aish, G., BSc, MSc (Dalhousie)
Berryman, V., BSc, PhD (Dalhousie)
Carter, M., BSc, MSc (Queen's), PhD (Dalhousie), MD (U of T)
Grindley, T. B., BSc, MSc, PhD (Queen's)
MacDonald, C. A., BSc (UNB)
Perrott, A., BSc, PhD (Dalhousie), BEd (Acadia)
Pincock, J. A., BSc, MSc (Man), PhD (Toronto)

Postdoctoral Fellows, Research Associates/Assistants

Banfield, S. C., BSc (Acadia), PhD (Western)
Brown, T. N., BSc (TRU, BC), PhD (U of T)
Borzenko, A., Specialist (St. Petersburg State U, Russia), PhD (UBC)
Bushnell, E., BCs, BSc, PhD (Windsor)
Cleversey, C. N. (Solvent Asst, Stores)
Hanson, M. A., BSc (Mt. A), PhD (Western)
Hatchard, T., BSc, BComm (SMU), MSc, PhD (Dalhousie)
Johnson, M., BSc (Dalhousie), MSc (UWO)
Li, Z., BSc, PhD (U of Science and Technology, China)
Werner-Zwanziger, U., Vordiplom (Mathematics), Diploma (Chemistry), PhD (Westfälische Wilhelms-Universität Münster, Germany)
Zhao, X., BSc (Hebei Normal U, China), PhD (Beijing U of Technology)

BSc or BA (120 credit hour) Concentrated Honours in Chemistry

Students who want a challenging program resulting in a broad and in-depth background in Chemistry that includes an independent research experience may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider the Honours program. Honours students complete a minimum of 54 credit hours above the 1000 level in Chemistry with a minimum GPA of 3.0 and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of CHEM 4901.06. The Honours program is accredited by the Canadian Society for Chemistry.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Chemistry. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Chemistry should consult with a Chemistry Academic Advisor early in their studies.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Concentrated Honours program in Chemistry must complete the following courses:

1000 level

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03/MATH 1010.03, or equivalent
- PHYC 1190.03/PHYC 1290.03, or PHYC 1300.06, or equivalent

2000 level

- CHEM 2101.03
- CHEM 2201.03
- CHEM 2301.03 and CHEM 2304.03
- CHEM 2401.03 and CHEM 2402.03

3000 level

- CHEM 3103.03
- CHEM 3201.03 or CHEM 3203.03
- CHEM 3301.03
- CHEM 3401.03 or CHEM 3404.03
- CHEM 3601.03

4000 level

- CHEM 4901.06 (minimum grade of B-)

Additional Requirements

- MATH 2001.03 and MATH 2030.03
- A minimum of 15 additional credit hours in CHEM courses at or above the 2000 level
- Combined lab hours across CHEM 3XXX and 4XXX must be >190.
- Minimum grade of C in all Honours subject courses (except CHEM 4901.06, which requires a minimum grade of B-)

BSc or BA (120 credit hour) Combined Honours in Chemistry and another subject

Students who wish to study Chemistry in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Chemistry may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject. The Combined Honours program is not accredited by the Canadian Society for Chemistry.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Chemistry, this requirement is satisfied through CHEM 4901.06.

A Co-op option is available for students enrolled in BSc Combined Honours with Chemistry as the primary subject. See Co-operative Education Program.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Combined Honours program in Chemistry and another subject must complete the following:

Chemistry as the primary subject

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03/MATH 1010.03, or equivalent
- CHEM 2101.03
- CHEM 2201.03
- CHEM 2301.03 and CHEM 2304.03
- CHEM 2401.03 and CHEM 2402.03
- A minimum of 15 additional CHEM credit hours at or above the 2000 level (including CHEM 4901.06 if applicable)

Chemistry as the secondary subject

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03/MATH 1010.03, or equivalent
- A minimum of 30 CHEM credit hours at or above the 2000 level

BSc or BA (120 credit hour) Major in Chemistry

The 120 credit hour Major is suited to students who want to focus on Chemistry, but wish to have a program that is somewhat less constrained than the Honours program. Chemistry Majors complete a minimum of 45 credit hours in Chemistry courses above the 1000 level. Research and other experiential learning opportunities are available through laboratories and research project classes. Like the Honours degree, the 120 credit hour Major program is accredited by the Canadian Society for Chemistry.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Chemistry. See Co-operative Education Program.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Major program in Chemistry must complete the following courses:

1000 level

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03/MATH 1010.03, or equivalent
- PHYC 1190.03/PHYC 1290.03, or PHYC 1300.06, or equivalent

2000 level

- CHEM 2101.03
- CHEM 2201.03
- CHEM 2301.03 and CHEM 2304.03
- CHEM 2401.03 and CHEM 2402.03

3000 level

- CHEM 3103.03
- CHEM 3201.03 or CHEM 3203.03
- CHEM 3305.03
- CHEM 3401.03 or CHEM 3404.03
- CHEM 3601.03

Additional Requirements

- Six additional hours from a combination of MATH 2XXX, any STAT course, CSCI 1100.03
- A minimum of 12 additional CHEM credit hours at or above the 2000 level, including at least 3 credit hours at or above the 3000 level
- Combined lab hours across CHEM 3XXX and 4XXX must be >190.

BSc or BA (120 credit hour) Double Major in Chemistry and another subject

The Double Major degree program allows students to combine a study of Chemistry with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Chemistry may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA. The Double Major program is not accredited by the Canadian Society for Chemistry.

A Co-op option is available for students enrolled in BSc Double Major with Chemistry as the primary subject. See Co-operative Education Program.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Chemistry and another subject must complete the following:

Chemistry as the primary subject

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03
- MATH 1010.03 or MATH 1060.03/STAT 1060.03
- CHEM 2101.03 and CHEM 2201.03
- CHEM 2301.03 or CHEM 2304.03
- CHEM 2401.03
- A minimum of 18 additional CHEM credit hours at or above the 2000 level, including 12 credit hours at or above the 3000 level

Chemistry as the secondary subject

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- MATH 1000.03
- MATH 1010.03 or MATH 1060.03/STAT 1060.03
- A minimum of 30 CHEM credit hours at or above the 2000 level, of which 12 must be at or above the 3000 level

BSc or BA (90 credit hour) Minor in Chemistry

The 90 credit hour degree with Minor in Chemistry is appropriate for students who want to study some Chemistry but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Chemistry. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies and is not accredited by the Canadian Society for Chemistry. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Chemistry is usually the preferred option for students who wish to combine studies in Chemistry with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program).

See Minor in Chemistry section.

Minor in Chemistry

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Chemistry is available to students in the Faculty of Science.

Requirements

- A minimum of 18 credit hours in Chemistry (CHEM) courses at the 2000 level or higher to a maximum of 36 credit hours, not including any course that cannot be used toward a Chemistry degree

Please note that entry into upper level Chemistry (CHEM) courses requires completion of six credit hours at the first year level (CHEM 1011.03/CHEM 1012.03)

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students Co-operative Education Program (Science Co-op) in Chemistry

Co-op Academic Advisor: Dr. P. Zhang peng.zhang@dal.ca

Science Co-op is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms

interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in BSc (120 credit hour) Honours or Major programs, or in Combined Honours or Double Major programs. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Chemistry Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Chemistry please see the departmental page www.dal.ca/faculty/science/chemistry/programs/undergraduate-studies/degree-programs/co-operative-education.html

Minors available to students in Chemistry

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Chemistry may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Chemistry, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section of the calendar.

Certificates of particular interest to student enrolled in a BSc or BA in Chemistry include:

- Certificate in Materials Science
- Certificate in Medicinal Chemistry
- Certificate in Science Leadership and Communication

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Chemistry with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Chemistry and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Chemistry and from the Faculty of Engineering in their first year of study.

Required Chemistry courses for a BSc/BEng or BA/BEng program in Chemistry

- CHEM 1011.03/CHEM 1012.03, or CHEM 1021.03/CHEM 1022.03, or equivalent
- A minimum of 18 credit hours in CHEM courses at the 2000 level or higher

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

Undergraduate courses that are regularly offered by the Chemistry Department are briefly described in this section. More detailed information can be found on the departmental web site at <http://chemistry.dal.ca>. Students should note the following.

- Not all courses are offered every year. Please consult the Academic Timetable for the details of courses offered in a particular academic year.
- The first digit of the course number is the year of a student's program that a course would typically be taken, but this is not meant to be restrictive if a student has the necessary prerequisites or permission of the instructor. For example, a 3000 level course can be taken in the fourth year and 4000 level course can be taken in the third year.
- The second digit of the course number defines the general sub-discipline:

0 = General Chemistry
1 = Inorganic Chemistry
2 = Analytical Chemistry
3 = Physical Chemistry
4 = Organic Chemistry

5 = Interdisciplinary
6 = Biological Chemistry
8,9 = Research Classes

- The extension following the course number (e.g., XXXX.03) indicates the number of credit hours assigned to the course (e.g., three credit hours). Note that six credit hours are equivalent to one credit.
- All chemistry courses, unless stated otherwise, have a minimum grade requirement of C- for their prerequisite chemistry courses. Students with grades below C- in the prerequisite chemistry courses can only register with the permission of the instructor for the course.
- Unless stated otherwise, the minimum grade requirement for credit in a chemistry course is a D, except for Honours programs, where the minimum grade requirement for chemistry credit is a C (B- for Honours Qualifying Examination).

Chemistry Resource Centres

First-Year and Advanced Chemistry Resource Centres are located in Rooms 122 and 115, respectively. The former is staffed with advanced undergraduate and graduate students to help with both lab and course material. First-year students are encouraged to make use of the Concept Room, which is located in the First-Year Resource Centre. Here, first-year Instructors will be available at regularly scheduled times to provide aid with course material in a small group or one-on-one atmosphere.

The First-Year Chemistry Resource Centre also houses a number of computers with chemistry-specific programs for students to use. Additionally, there is a selection of resource materials such as molecular model kits and reference texts available to students.

Course Descriptions

CHEM 1011X/Y Concepts in Chemistry: Structure and Reactivity

CREDIT HOURS: 3

The electronic structures of atoms and molecules are used to explain the reactivity and properties of chemicals. Topics include atomic structure, bonding models, structure and shape of molecules and ions, and acid/base chemistry. It is recommended that students have Nova Scotia grade 12 chemistry or equivalent before taking this course.

COORDINATORS: J. MacDonald, P. Laws

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: Credit will be given for only one of the following combinations: CHEM 1011.03/1012.03 or CHEM 1021.03/1022.03 or DISP (SCIE 15XX)

CHEM 1012 Concepts in Chemistry: Energy and Equilibrium

CREDIT HOURS: 3

The principles of thermodynamics and kinetics are used to explain chemical reactivity and the principles of organic chemistry are used to develop an understanding of organic synthesis. Special topics include electrochemistry, spectroscopy, chirality, polymers, and the chemistry of living systems to illustrate the relevance of chemistry in everyday life.

COORDINATORS: J. MacDonald, P. Laws

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03 or equivalent

EXCLUSIONS: Credit will be given for only one of the following combinations: CHEM 1011.03/ CHEM 1012.03 or CHEM 1021.03/CHEM 1022.03 or DISP (SCIE 15XX)

CHEM 1021 Engineering Chemistry I

CREDIT HOURS: 3

The electronic structures of atoms and molecules are used to explain the reactivity and properties of chemicals. Topics include atomic structure, bonding models, structure and shape of molecules and ions, and acid/base chemistry. It is recommended that students have Nova Scotia grade 12 chemistry or equivalent before taking this course.

COORDINATORS: J. MacDonald, P. Laws

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: Credit will be given for only one of the following combinations: CHEM 1011.03/ CHEM 1012.03 or CHEM 1021.03/CHEM 1022.03 or DISP (SCIE 15XX)

CHEM 1022 Engineering Chemistry II

CREDIT HOURS: 3

The principles of thermodynamics and kinetics are used to explain chemical reactivity and the principles of organic chemistry are used to develop an understanding of organic synthesis. Special topics include electrochemistry, spectroscopy, chirality, polymers, and the chemistry of living systems to illustrate the relevance of chemistry in everyday life.

COORDINATORS: J. MacDonald, P. Laws

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 1021.03 or equivalent

EXCLUSIONS: Credit will be given for only one of the following combinations: CHEM 1011.03/ CHEM 1012.03 or CHEM 1021.03/CHEM 1022.03 or DISP (SCIE 15XX)

CHEM 1410 Introductory Chemistry Related to Human Health

CREDIT HOURS: 3

General introductory chemistry topics are covered with an emphasis on their relevance to health related disciplines. Subject matter includes atomic and molecular structure, nuclear chemistry, chemical reactions, energy, gases, solutions, chemical equilibria, acids and bases, and introductory organic chemistry. Basic math skills and some chemistry background are assumed.

NOTES: This course does not qualify as a chemistry credit towards a chemistry degree.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: CHEM 1410.03 cannot be taken concurrently with or after CHEM 1011.03/CHEM 1012.03, CHEM 1021.03/CHEM 1022.03 or DISP/SCIE 15XX

CHEM 2101 Introductory Inorganic Chemistry

CREDIT HOURS: 3

The fundamentals of inorganic chemistry are covered. Specific topics include ionic bonding and the nature of solids, the structure of atoms and simple bonding theory, coordination chemistry of the transition metals, and selected topics in main group chemistry. The preparation, analysis and observation of inorganic compounds are the laboratory assignments.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03/1012.03 or equivalent (grade of C- or better)

CHEM 2201 Introductory Analytical Chemistry

CREDIT HOURS: 3

The basic principles of analytical chemistry are presented, including chemical and instrumental methods of analysis. Instrumental techniques covered include chromatography, spectroscopy, and electrochemistry. Laboratory experiments explore all of these topics, and illustrate the techniques with practical examples.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEM 1011.03/1012.03 or equivalent (grade of C- or better)

CHEM 2301 Introduction to Physical Chemistry I

CREDIT HOURS: 3

The physical principles underlying chemical systems and reactivity are explored, with an emphasis on the forces between molecules and the properties of matter. Principles of thermodynamics are presented, including thermochemistry, entropy and free-energy relationships. Applications include phase equilibria, chemical equilibria, solutions, colligative properties and electrochemistry.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03/CHEM 1012.03 or equivalent; MATH 1000.03 or equivalent (grade of C- or better). PHYC 1280.03/ PHYC 1290.03 or PHYC 1300.06 is strongly recommended

CHEM 2304 Introductory Physical Chemistry II

CREDIT HOURS: 3

The physical properties of chemical systems at the level of atoms and molecules are examined. Topics include the quantum mechanical description of atoms and molecules, chemical bonding, experimental and computational methods for studying molecular systems, and the kinetics of chemical processes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEM 1011.03/1012.03 or equivalent; MATH 1000.03 and MATH 1010.03 or equivalent (grade of C- or better). PHYC 1280.03/PHYC 1290.03 or PHYC 1300.06 is strongly recommended

CHEM 2401 Introductory Organic Chemistry: Structure, Concepts of Mechanisms and Spectroscopy

CREDIT HOURS: 3

Organic chemistry is introduced through an examination of bonding, conformation and stereochemistry. Spectroscopic methods (MS, IR, ¹H and ¹³C NMR) are used to determine the structures of compounds. Alkanes, alkenes, alkynes and alkyl halides are presented with an emphasis on the mechanisms of their reactions.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03/1012.03 or equivalent (grade of C- or better)

CHEM 2402 Introductory Organic Chemistry: Reactivity of Functional Groups

CREDIT HOURS: 3

Building on CHEM 2401, the properties and reactions of alcohols, ethers, amines, nitriles, the carbonyl-containing functional groups and aromatic compounds are examined. The reactions are used in synthetic sequences, and reaction mechanisms are stressed. The concepts of resonance and aromaticity become familiar. The use of spectroscopic methods is reinforced.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 2401.03 (grade of C- or better)

CHEM 2442 Organic Chemistry for Pharmacy Students

CREDIT HOURS: 3

Aspects of organic chemistry relevant to the requirements for the degree of Bachelor of Science in Pharmacy are presented. This course does not serve as a prerequisite for any other chemistry course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 4

RESTRICTIONS: Restricted to students in the Bachelor of Science in Pharmacy program.

CHEM 3103 Intermediate Inorganic Chemistry

CREDIT HOURS: 3

Modern bonding theories are developed using symmetry concepts. These are applied to understanding the molecular structure, reactivity and spectroscopic properties of inorganic compounds, including coordination compounds and organometallic complexes. The compounds prepared in the laboratory introduce more advanced synthetic procedures for the preparation of inorganic compounds.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEM 2101.03 (grade of C- or better)

EXCLUSIONS: CHEM 3101.03, CHEM 3102.03

CHEM 3201 Analytical Mass Spectrometry and Separations

CREDIT HOURS: 3

The most commonly employed instrumental techniques in chemical analysis use spectroscopy in some form or involve separations. Qualitative and quantitative analysis and the instrumentation involved are discussed in some detail for mass spectrometry. Methods of separation including solvent extraction and the various types of chromatography are presented. Laboratory experiments illustrate the above techniques with practical examples.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEM 2201.03 (grade of C- or better)

CHEM 3203 Advanced Analytical Laboratory

CREDIT HOURS: 3

An introduction to the fundamentals of instrumental chemical analysis is presented in a laboratory environment, with emphasis on selection of appropriate analytical techniques, sample treatment, data handling, and communication of experimental results. Instrumental techniques include chromatography, spectrophotometry, mass spectrometry, and electrochemistry, with applications in biological, environmental, forensic and health-related areas.

FORMAT: Lecture| Lab| Tutorial

LAB HOURS PER WEEK: 8

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: CHEM 2201.03 (grade of C- or better)

CHEM 3301 Quantum Mechanics and Chemical Bonding

CREDIT HOURS: 3

The fundamentals and postulates of quantum mechanics are developed from first principles, with applications to illustrative model systems, vibrations, rotations, atoms, and molecules.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2001.03 and MATH 2030.03, and CHEM 2304.03, (grade of C-or better) and PHYC 1190.03/1290.03 or 1300.06

CHEM 3305 Materials Science

CREDIT HOURS: 3

This course emphasizes the principles involved in understanding physical properties of materials, such as thermal and mechanical stability, and electrical and optical properties. All phases of matter are examined: gases, liquids, films, liquid crystals, perfect crystals, defective solids, glasses. Important processes such as photography and Xerography are explained.

NOTES: This course is the same as PHYC 3303, except CHEM 3305 has a lab and PHYC 3303 has a major term paper. Also, PHYC 3200.03 could be taken as a corequisite.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2301.03 (grade of C- or better) or PHYC 2520.03 or PHYC 3200.03 (can be a corequisite) or EARTH 2001.03/2002.03 or ENGI 2800.03 or permission of instructor

EXCLUSIONS: PHYC 3303.03, CHEM 3303.03

CHEM 3401 Intermediate Organic Chemistry

CREDIT HOURS: 3

Topics presented include aromatics, heterocycles, amines, enolate anions and other methods for forming C-C bonds, concerted reactions, carbohydrates and some heteroatom chemistry. There is a continuing emphasis on the principles of mechanistic organic chemistry. Students work independently in the laboratory on the preparation of organic compounds.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 4

PREREQUISITE: CHEM 2401.03/2402.03 (grade of C- or better)

CHEM 3404 Intermediate Organic Chemistry—Physical Organic and Spectroscopy

CREDIT HOURS: 3

This course provides an introduction to concepts in physical organic chemistry that are used to explain structure reactivity relationships. Spectroscopic techniques are also described with an emphasis on NMR spectroscopy. The organic laboratory will focus on organic compound separation and identification.

FORMAT: Lecture| Lab

PREREQUISITE: CHEM 2401.03/2402.03 (grade of C- or better)

EXCLUSIONS: CHEM 3402.03

CHEM 3601 Chemistry of Living Systems

CREDIT HOURS: 3

The chemical principles governing a wide variety of biological processes are discussed. Structure and mechanism are emphasized in explanations and predictions of the behavior of organic compounds in nature. Specific topics include proteins, activation of carboxyl groups, peptide synthesis and biosynthesis, enzyme catalysis, coenzymes and prochirality.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2402.03 (grade of C- or better)

CHEM 3801 Experiential Learning in Chemistry

CREDIT HOURS: 3

This is an outside-the-classroom learning experience in which students work to acquire knowledge and skills relevant to chemistry under the direction of a supervisor. Suitable work environments can be located at Dalhousie or in a commercial/industrial setting.

NOTES: To register for this course, each student must first find a supervisor willing to supervise the chemistry work experience. The student and supervisor must sign a learning agreement that has been approved by the course coordinator.

PREREQUISITE: At least four of the following courses: CHEM 2101.03, CHEM 2201.03, CHEM 2301.03, CHEM 2304.03, CHEM 2401.03 and CHEM 2402.03.

RESTRICTIONS: Restricted to students in third year and above.

EXCLUSIONS: The following may not be used towards CHEM 3801: work that is part of another scheduled course at a learning institution; study that would qualify for Special Topics course; co-op work terms; and paid work. Only one experiential learning course per degree

ASSESSMENT METHOD: Pass/Fail

CHEM 4101 Advanced Main Group Chemistry

CREDIT HOURS: 3

Following a brief overview of the fundamental aspects of preparation, structure and bonding for familiar systems, selected topics are examined in some detail. An emphasis is placed on novel structure and bonding arrangements in comparison with carbon chemistry.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3103.03 (grade of C- or better)

CROSS-LISTING: CHEM 5101.03

CHEM 4102 Advanced Transition Metal Chemistry

CREDIT HOURS: 3

Various themes of modern transition metal chemistry are examined, including but not restricted to: fundamental structure and bonding; spectroscopic characterization methods; as well as reactivity and reaction mechanisms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3103.03 (grade of C- or better)

CROSS-LISTING: CHEM 5102.03

CHEM 4120 Advanced Organometallic Chemistry

CREDIT HOURS: 3

Catalytic and stoichiometric transition metal mediated reactions of fundamental significance in synthetic chemistry are surveyed. Molecular orbital theory is used to understand structure and bonding in metal complexes and the reactivity properties of these species. Relevant examples from the current chemical literature are introduced.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3103.03 (grade of C- or better)

CHEM 4205 Chemometrics

CREDIT HOURS: 3

The application of statistical tools to univariate and multivariate chemical measurements is explored. Topics include descriptive statistics, probability and probability distributions, propagation of errors, hypothesis testing, analysis of variance, experimental design, univariate and multivariate calibration, pattern recognition, exploratory data analysis and mixture analysis. Students are introduced to programming in MatLab.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2201.03 (grade of C- or better)

CROSS-LISTING: CHEM 5205.03

CHEM 4206 Analytical Mass Spectrometry

CREDIT HOURS: 3

This course offers a thorough treatment of modern analytical mass spectrometry instrumentation, with applications towards chemical and biochemical analysis. Specific examples include characterization of pharmaceuticals and biomolecules (proteins, carbohydrates), and discussion of field portable instruments. Reaction mechanisms and spectral interpretation are discussed, but are not emphasized in this applied course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2201.03 (grade of C- or better)

CROSS-LISTING: CHEM 5206.03

CHEM 4301 Theory of Chemical Bonding

CREDIT HOURS: 3

This course develops molecular orbital theory from both qualitative and quantitative perspectives. Topics include the basic principles of the LCAO (Linear Combination of Atomic Orbitals) MO method, qualitative understanding of MOs in simple molecules, orbital symmetries, through to state-of-the-art techniques for computer computations of molecular properties.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3301.03 (grade of C- or better)

CROSS-LISTING: CHEM 5301.03

CHEM 4311 Fundamental and Applied Electrochemistry

CREDIT HOURS: 3

This course provides a broad introduction to the fundamentals of electrochemistry, including electrochemical theory, double layer modelling and electrochemical methods. Additionally, important electrochemical applications are discussed, including corrosion, energy production and energy storage (fuel cells, batteries and supercapacitors).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2301.03 and CHEM 2304.03 (grade of C- or better)

CROSS-LISTING: CHEM 5311.03

CHEM 4401 Synthesis in Organic Chemistry

CREDIT HOURS: 3

A number of important organic reactions are examined in depth with particular attention to regioselectivity and the development of relative or absolute stereochemistry. Applications of these reactions in the synthesis of complex molecules are illustrated with recent examples from the literature.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3401.03 (grade of C- or better)

CROSS-LISTING: CHEM 5401.03

CHEM 4402 Organic Structure Determination

CREDIT HOURS: 3

Nuclear magnetic resonance spectroscopy and mass spectrometry are emphasized in solving structural problems. Topics include 2D NMR, correlation of structure with chemical shifts and coupling constants, operation of NMR spectrometers, NMR relaxation, analysis of spectral patterns, the vector model of 1D and 2D experiments and ionization methods in mass spectrometry.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 3404.03 (grade of C- or better)

CROSS-LISTING: CHEM 5402.03

CHEM 4502 Polymer Science

CREDIT HOURS: 3

Aspects of synthesis, analysis, characterization, structure and uses of synthetic and naturally occurring macromolecules are explored. Emphasis is on the application of standard methods of organic synthesis, analytical separations, and physico-chemical characterization. There is no laboratory, but students will do an independent literature project.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2201.03 and 2301.03 and 2304.03 and 2402.03 (grade of C- or better)

CHEM 4504 Diffraction Techniques in Solid State Chemistry

CREDIT HOURS: 3

All chemical elements and compounds can exist as crystalline solids. This course studies the arrangements of atoms and molecules in such solids and examines the methods used to determine these structures. Particular emphasis is placed on the techniques of X-ray crystallography.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: CHEM 2101.03 (grade of C- or better) and MATH 2001.03 and 2030.03

CHEM 4595 Atmospheric Chemistry

CREDIT HOURS: 3

Fundamental introduction to the physical and chemical processes determining the composition of the atmosphere and its implications for climate, ecosystems, and human welfare. Origin of the atmosphere. Nitrogen, oxygen, carbon, sulfur cycles. Atmospheric transport and turbulence. Stratospheric ozone. Oxidizing power of the atmosphere. Regional air pollution: aerosols, smog, acid rain.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Math 1000, PHYC 1280.03/1290.03 or PHYC 1300 and CHEM 1011/1012 (grade of C- or better)

CROSS-LISTING: PHYC 4595.03, OCEA 4595.03, OCEA 5595.03

CHEM 4601 Principles of Biomolecular and Drug Molecule Design

CREDIT HOURS: 3

The course covers both general principles and biochemical considerations in drug design. The fundamental goal is to give students the necessary tools to design new chemical structures as putative therapeutics for a human or veterinarian pathological problem. Students in chemistry are strongly recommended to take CHEM 3601.03 prior to registering in this course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2402.03 (grade of C- or better)

CROSS-LISTING: CHEM 5601

CHEM 4602 Biophysical Characterization of Macromolecules

CREDIT HOURS: 3

Covers methods allowing determination of sub-molecular and atomic-level structure and dynamics of biomacromolecules in physiological settings (e.g. solution-state or lipid bilayers) including: fluorescence, electronic and vibrational circular dichroism and NMR spectroscopy; light vs. X-ray vs. neutron scattering; and, single molecule methods.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1010.03, BIOC 3200.03 or CHEM 3601.03, CHEM 2303.03 or CHEM 2301.03, CHEM 2304.03. Recommended: PHYC 1280.03/1290.03.06 or PHYC 1300.06

CROSS-LISTING: BIOC 4702.03, CHEM 5602.03, BIOC 5702.03

CHEM 4801X/Y Research Project in Chemistry I

CREDIT HOURS: 3

Students carry out research projects under the supervision of a faculty member, and submit a report and make an oral presentation.

PREREQUISITE: CHEM 2101.03, 2201.03, 2301.03, 2304.03 (or 2302.03), 2401.03 and 2402.03 plus at least one full credit at the 3000 or 4000 level in the area of interest with an average grade of at least B-, or permission of instructor; GPA 3.0

CHEM 4802X/Y Research Project in Chemistry II

CREDIT HOURS: 3

Students carry out research projects under the supervision of a faculty member and submit a report and make an oral presentation. This course is intended for those students in the Major program who wish greater exposure to independent scientific research.

PREREQUISITE: CHEM 4801.03

CHEM 4901X/Y Honours and Major Research Project

CREDIT HOURS: 6

This course is required for students in the latter stages of the honours program. Students carry out research projects under the supervision of a faculty member and submit reports and make oral presentations to the Department.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: A minimum GPA of 3.0 is required for this course. Permission of instructor.

Earth Sciences

Location:

Building/Room: Life Sciences Centre

Street Address 1: 1459 Oxford Street

Street Address 2: Room 3006

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2358

Fax: (902) 494-6889

Website: dal.ca/earthsciences

Email Address: earth.sciences@dal.ca

Introduction

Earth Science is a holistic discipline whose focus of study is the Earth System. It includes the geosciences which address the solid earth, but necessarily also extends to study of the atmosphere, hydrosphere, oceans and biosphere. Broadly, Earth scientists work to understand

1) how the Earth System works;

2) how it evolved to its current state;

- 3) the processes for and distribution of Earth's physical resources such as fossil fuels, minerals, and water; and
- 4) limits to and consequences of the use of physical resources by humans.

Examples of specific questions within Earth Sciences include: How was the Earth formed? What is its composition? Where do we look for oil? Where do we look for reliable water supplies? What are the relationships between glaciers, rivers, and climate, both now and in the deep past? To answer questions such as these, Earth scientists typically use methods from the foundation sciences -- physics, chemistry, biology, mathematics - along with discipline-specific methods and modern tools including computing and satellite mapping. Some Earth scientists also consider or draw expertise from the social sciences, particularly as humans collectively become a significant agent in modifying components of the Earth System.

Career paths

Earth Science is of tremendous importance to Canadians and can be an immensely satisfying profession. Earth scientists are employed in universities, government agencies, the oil, gas and mineral industries, environmental consulting, and beyond. The Earth Sciences department offers programs and courses designed to meet the needs of students with varying goals for her/his undergraduate education. In general, the following summary recommendations can be made:

- To prepare to become a professional geoscientist, students should enroll in a 120 credit hour BSc or BA degree (Major, Honours or Combined) and meet the knowledge requirements for professional registration by completing one or both of the Certificates for Geoscientists.
- To prepare for postgraduate study (MSc or PhD) in Earth Sciences or a related field, students should pursue a BSc Concentrated Honours in Earth Sciences or Combined Honours with a related subject, and consider one of the Certificates listed above.
- Students seeking an undergraduate preparation for Law, Education, or another professional program outside of Earth Sciences, or to complement another subject, should consider a BSc or BA Major or Double Major.
- Electives courses and Minors: Earth Sciences is about understanding how the Earth 'works'. As such it makes an excellent general education subject. Several EARTH courses that may be suitable electives are listed below.

General interest courses

These courses are designed to be accessible to students who want to know something about the Earth, but whose major field of study is not Earth Sciences. For example, the course may be of interest to an economics student concerned with resources, a history student interested in the role played by Canada's geological framework in the development of transportation, a biology student interested in faunal environments on the seafloor.

Courses without prerequisites

- EARTH 1030.03: Introduction to Physical Geography
- EARTH 1060.03: Earthquakes, Volcanoes and Natural Disasters
- EARTH 1080.03: Geology I (lab course)

Courses with prerequisites

- EARTH 1090.03: Geology II (lab course)
- EARTH 1091.03: Geology II (non-lab course)
- EARTH 2410.03: Environmental Issues in Earth Sciences
- EARTH 2420.03: Dinosaurs
- EARTH 2205.03: Introduction to Paleontology (lab course)
- EARTH 3440.03: Geomorphology

High School Preparation

Students in high school who plan a career in Earth Sciences, should have Advanced Math or Pre-calculus Math, plus Chemistry and Physics. Note that only Mathematics is required as a prerequisite, but the others are strongly recommended. A student should ideally aim to make up deficiencies in high school preparation in the first year at Dalhousie.

Degree Programs

The Department of Earth Sciences offers the following degree programs in Earth Sciences

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*

- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Earth Sciences
- Minor in Earth Sciences

* BSc Co-op option available

* May be combined with Minor programs from other disciplines

Departmental Requirements for these programs are described below. In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with an Earth Sciences undergraduate academic advisor.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chair of Department

Jamieson, R. A., BSc (Dalhousie), PhD (MUN)

Undergraduate Advisor

Plug, L. (902 494-1200)

Co-op Academic Advisor

Wach, G. (902 494-8019)

Graduate Coordinator

Gosse, J. (902 494-6632)

Professors Emeriti

Cooke, H. B. S., MSc, DSc (Witwatersrand)

Gibling, M. R., BA (Oxon), PhD (Ottawa)

Milligan, G. C., MSc (Dalhousie), PhD (Harv)

Reynolds, P. H., BSc (Toronto), PhD (UBC)

Scott, D. B., BSc (Washington), MSc (Washington State), PhD (Dalhousie)

Zentilli, M., BSc (Chile), PhD (Queen's), PGeo

Professors

Grujic, D., BSc (Belgrade), PhD (ETH Zurich)

Jamieson, R. A., BSc (Dalhousie), PhD, (MUN)
Wach, G. D., BA (Hons) (Western Ontario), MSc (South Carolina), DPhil (Oxford)

Associate Professors

Culshaw, N., BA (Keele), PhD (Ottawa)
Fedortchouk, Y., MSc (Moscow State Univ), PhD (Victoria)
Gosse, J. C., BSc (MUN), PhD (Lehigh University)
Nedimovic, M., BSc (Belgrade), MSc, PhD (Toronto)

Assistant Professors

Coutand, L., BSc, PhD, (Univ. of Rennes, France)
Plug, L., BA (McGill), PhD (Univ. of Alaska - Fairbanks) (cross appointment with College of Sustainability)
Sterling, S., PhD (Duke Univ.) (cross appointment with Environmental Science)

Senior Instructors

Ryan, A. M., BSc (Univ College Dublin), MSc, BEd (Acadia), MEd (MSVU), PhD (Dalhousie) cross appointed with Environmental Science
Walls, C., BSc, MSc (Dalhousie)

Instructors

Cox, R., BSc Hons (Glasgow Univ.), MSc (Glasgow Univ.), PhD (MUN)
Young, M., BSc (Dalhousie), MSc (Queen's)

Cross Appointment

Rainham, D., PhD (Ottawa), Major appointment in Environmental Science

Adjuncts

Anderson, A., BSc (Univ. of Windsor), MSc (Manitoba), PhD (Queen's), St. Francis Xavier
Barr, S., BSc (UNB), PhD (UBC), Acadia University
Brown, D., BSc (Dalhousie), Canada-NS Offshore Petroleum Board (CNSOPB)
Campbell, C., BSc Honours (SMU), PhD (Dalhousie)
Clarke, B., BSc, MSc (Toronto), PhD (Edinburgh)
Deptuck, M., BSc (St. Mary's Univ.), PhD (Dalhousie) Canada-NS Offshore Petroleum Board
Dostal, J., BSc (Charles), PhD (McMaster), St. Mary's University
Dyke, A., BSc Honours (MUN), MA, PhD (Univ of Colorado)
Fedak, T. J., BA (NSCAD), PhD (Dalhousie)
Fensome, R., BSc (Sask), MSc (Sask.), PhD (Nottingham), GSC Atlantic
Forbes, D., BA Honours (Carleton), MA (U of T), PhD (UBC)
Froese, D. G., BSc (Univ of Lethbridge), MSc, PhD (Univ of Calgary)
Gerbi, C., AB (Amherst College), MS (UC Davis), PhD (Univ of Maine)
Gibling, M. R., BA (Oxon), PhD (Ottawa)
Gibson, D., BA (Colgate Univ), MSc, PhD (Carleton)
Godin, L., BSc, MSc (Univ du Que a Montreal), PhD (Carleton)
Hanley, J., PhD (Toronto), St. Mary's University
Jansa, L., BSc, MSc (Masaryk State U, Czechoslovakia), PhD (Charles), GSC Atlantic, retired
Keen, C., BSc Honours, MSc (Dalhousie), PhD (Cambridge)
Kellman, L., BA (McMaster), MSc (McGill), PhD (Univ. du Quebec à Montreal), St. Francis Xavier University
Kettanah, Y., BSc (Baghdad Univ.), PhD (Southampton Univ. UK), Selahaddin University
Kosters, E., BSc (Groningen), MSc (Univ of Amsterdam), PhD (Louisiana State Univ)
Laroque, C., BSc (Sask.), MSc, PhD (Univ. of Victoria), Mt. Allison University
Lavigne, M., BScF (UNB), MPhil, PhD (Yale)
Louden, K. E., BA (Oberlin), MEd (Temple), PhD (MIT)
Marsh, J., BS (Univ of California, Santa Barbara), MS (San Diego State Univ), PhD (Univ of Maine)

Melchin, M., MSc (Waterloo), PhD (Western), St. Francis Xavier University
Mosher, D., BSc (Acadia), MSc (Memorial), PhD (Dalhousie) GSC Atlantic
Mudie, P. J., BSc (Cape Town), BSc (Leicester), PhD (Dalhousie)
Mukhopadhyay, P., BSc, MSc, PhD (Jadavpur Univ), Global Geoenergy Research Limited
Murphy, J. B., BSc (Dublin), MSc (Acadia), PhD (McGill), St. Francis Xavier University
Parsons, M., BSc (Dalhousie), PhD (Stanford), GSC Atlantic
Pe-Piper, G., BSc (Athens), PhD (Cantab), St. Mary's University
Piper, D. J. W., BA (Hons) (St Catharine's Col, Cantab), MA (Cantab), PhD (Darwin Col, Cantab), GSC Atlantic
Richards, F. W., BSc (Bristol), MSc (Imperial College), ESSO Australia
Risk, D., BSc (Toronto), MSc (St. FX), PhD (Dalhousie), St. Francis Xavier University
Salisbury, M. H., BSc (MIT), MSc, PhD (Wash), GSC Atlantic Emeritus Scientist
Scott, D., BSc, MSc (Wash State), PhD (Dalhousie)
Shaw, C. S. J., BSc Honours (Univ of London), MSc, PhD (Western Ontario)
Shimeld, J., B Applied Sci (Waterloo), MSc (Dalhousie), GSC Atlantic
Simpson, D., BSc Honours, MSc (Dalhousie), PhD (Australian National Univ)
Stockli, D., BSc, MSc (ETH Zurich), PhD (Stanford Univ), University of Kansas
Swinden, S., BSc (Dalhousie), MSc, PhD (Memorial), NS Dept of Natural Resources, retired
Tibert, N., BSc, MSc (Dalhousie), PhD (Massachusetts, Amherst), University of Mary Washington
Vincent, H., BSc (Univ of West Indies), MSc (Imperial College), PhD (Dalhousie)
Waldron, J., BA (Cambridge), PhD (Edinburgh), University of Alberta
Warren, C., BA (Oxford), MSc (Univ College London), DPhil (Oxford)
Watson, N., BSc Honours (Univ of Manitoba), Atlantic Petrophysics Limited
Webster, T., BSc (UNB), MSc (Acadia), PhD (Dalhousie), COGS, Lawrencetown, NS
Whipp, D. M., BSc, PhD (Univ of Michigan)
Wild, P., BAsC (UBC), PhD (UVic), PEng
Zentilli, M., BSc (Univ of Chile), PhD (Queen's)

Core Requirements for all BSc and BA (120 credit hour) Degrees

All 120 credit hour degrees in Earth Sciences (Concentrated Honours, Combined Honours, Major, Double Major) share the following required courses:

1000 level

- EARTH 1080.03 and EARTH 1090.03, or equivalent
- MATH 1000.03 (recommended) or MATH 1215.03 or equivalent
- CHEM 1011.03 AND CHEM 1012.03

Students in the Integrated Science Program should contact the department regarding first year equivalencies.

2000 level

- EARTH 2000.015: Earth Sciences Field School
- EARTH 2001.03: Earth Materials Science I
- EARTH 2002.03: Earth Materials Science II
- EARTH 2110.03: Field Methods (Prerequisite: EARTH 2000.015)
- EARTH 2203.03: Sediments and Sedimentary Rocks
- EARTH 2380.03: Geochemistry

3000 level

- EARTH 3140.03: Structural Geology
- EARTH 3303.03: Stratigraphy

Field Work

Field excursions are part of many courses and are conducted at appropriate times during the session. In addition, some optional field excursions may be held each year. Note that some mandatory field trips may be held on Saturdays or Sundays. Field Schools EARTH 2000 and EARTH 3000, which are required for most degree programs, are offered for about 10 days in late August, just before the start of the university Fall term.

BSc or BA (120 credit hour) Concentrated Honours in Earth Sciences

Students who want a challenging program that includes an in-depth background in Earth Sciences and an independent research experience may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Earth Sciences with a minimum GPA of 3.5 and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of EARTH 4200.06.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Earth Sciences.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Earth Sciences should consult with an Earth Sciences Academic Advisor early in their studies.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in the Concentrated Honours program in Earth Sciences must complete the following:

Core Requirements (Section A)

1000 level

- MATH 1010.03, or MATH 2030.03, or MATH 2300.03, or STAT 1060.03 or STAT 2060.03
- PHYC 1190.03 and PHYC 1290.03, or PHYC 1300XY.06

2000 level and higher

- EARTH 2270.03: Intro to Applied Geophysics
- EARTH 3000.015: Intermediate Field School
- Minimum of 21 additional credit hours of EARTH courses at or above the 2000 level, of which at least 15 credit hours must be at or above the 3000 level
- EARTH 4200XY.06: Honours Thesis

Additional Requirements

- Minimum GPA of 3.5 in Honours subject courses, with no grade less than a C
- First-class Honours; Minimum GPA of 3.7 in Honours subject courses, with at least an A- in EARTH 4200.06

BSc or BA (120 credit hour) Combined Honours in Earth Sciences and another subject

Students who wish to study Earth Sciences in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Earth Sciences may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Earth Sciences, this requirement is satisfied through EARTH 4200.06.

A **Co-op option** is available for students enrolled in BSc Combined Honours with Earth Sciences as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Combined Honours program in Earth Sciences and another subject must complete the following:

Earth Sciences as primary subject

- Core requirements (Section A)

1000 level

- One of MATH 1010.03, MATH 2030.03, MATH 2300.03, STAT 1060.03 STAT 2060.03 (BSc only)
- PHYC 1190.03/PHYC 1290.03, or PHYC 1300.06

2000 level and higher

- EARTH 2270.03: Intro to Applied Geophysics
- EARTH 3000.015: Intermediate Field School
- A minimum of nine additional credit hours in EARTH at or above the 3000 level, which includes EARTH 4200XY.06 (Honours Thesis)

Students in Combined Honours should consult the department when choosing courses. Exceptions to requirements may be made where justified by a student's particular subject combination.

Earth Sciences as secondary subject

- Core requirements (Section A)

1000 level

- One of MATH 1010.03, MATH 2030.03, MATH 2300.03, STAT 1060.03 STAT 2060.03 (BSc only)
- PHYC 1190.03/PHYC 1290.03, or PHYC 1300.06

2000 level and higher

- EARTH 2270.03: Intro to Applied Geophysics
- EARTH 3000.015: Intermediate Field School
- A minimum of three additional credit hours in EARTH at or above the 3000 level

Students in Combined Honours should consult the department when choosing courses. Exceptions to requirements may be made where justified by a student's particular subject combination.

BSc or BA (120 credit hour) Major in Earth Sciences

The 120 credit hour Major is suited to students who want to focus on Earth Sciences, but wish to have a program that is somewhat less constrained than the Honours program. Earth Sciences Majors complete a minimum of 42 credit hours in Earth Sciences courses above the 1000 level. Research and other experiential learning opportunities are available through laboratories and research project classes.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Earth Sciences.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Major program in Earth Sciences must complete the following courses:

- Core requirements (Section A)

1000 level

- One of MATH 1010.03, MATH 2030.03, MATH 2300.03, STAT 1060.03 STAT 2060.03 (BSc only)

2000 level and higher

- EARTH 3000.015: Intermediate Field School
- A minimum of 18 credit hours in EARTH at or above the 3000 level

BSc or BA (120 credit hour) Double Major in Earth Sciences and another subject

The Double Major degree program allows students to combine a study of Earth Sciences with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Earth Sciences may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

A **Co-op option** is available for students enrolled in BSc Double Major with Earth Sciences as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Earth Sciences and another subject must complete the following:

Earth Sciences as the primary or secondary subject

- Core requirements (Section A)

1000 level

- One of MATH 1010.03, MATH 2030.03, MATH 2300.03, STAT 1060.03 STAT 2060.03 (BSc only)

2000 level and higher

- EARTH 3000.015: Intermediate Field School
- A minimum of six credit hours in EARTH at or above the 3000 level

Students in Double Major programs should consult the department when choosing courses. Exceptions to requirements may be made where justified by a student's particular subject combination.

BSc or BA (90 credit hour) Minor in Earth Sciences

The 90 credit hour degree with Minor in Earth Sciences is appropriate for students who want to study some Earth Sciences but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Earth Sciences. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Earth Sciences is usually the preferred option for students who wish to combine studies in Earth Sciences with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program).

See Minor in Earth Sciences section.

Minor in Earth Science

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Earth Sciences is available to students in the Faculty of Science.

Requirements

Students starting in 2014-15:

- EARTH 1080.03 and EARTH 1090.03
- A minimum of 18 credit hours in Earth Sciences courses at the 2000 level or higher, must include at least six credit hours at the 3000 level or higher

Students starting prior to Fall 2014-15:

- EARTH 1080.03 and one of EARTH 1030.03, EARTH 1060.03, EARTH 1090.03, EARTH 1091.03
- A minimum of 18 credit hours in Earth Sciences courses at the 2000 level or higher, must include at least six credit hours at the 3000 level or higher

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students Co-operative Education Program (Science Co-op) in Earth Sciences

Co-op Academic Advisor: Dr. G. Wach grant.wach@dal.ca

Science Co-op is a program of academic study in a science subject, combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Earth Sciences, or in Combined Honours or Double Major programs with Earth Sciences as the primary subject. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Earth Sciences Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html

Minors available to students in Earth Sciences

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Earth Sciences may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Earth Sciences, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward

obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to students enrolled in a BSc or BA program in Earth Sciences include:

- Certificate in Environmental Impact Assessment (EIA)
- Certificate in Geographic Information Science (GIS)
- Certificate in Information Technology
- Certificate in Materials Science
- Certificate in Science Leadership and Communication
- Certificates for Geoscientists: Geology, Environmental Geoscience

Knowledge Requirements for Professional Practice as a Geoscientist

Geoscience is a regulated profession in most of Canada. Individual provinces and territories have acts that restrict the practice of geoscience to individuals who are registered members of professional associations. In Nova Scotia, the Association of Professional Geoscientists of Nova Scotia (APGNS) is the licensing body which fulfils this mandate. APGNS and other provincial geoscience associations, under the guidance of Geoscientists Canada, ensure high standards of geoscience practice and education.

Students who intend to pursue geoscience as a profession, or simply want the most in-depth education in geoscience, should complete the Certificate in Geology, or Certificate in Environmental Geoscience, or both. These Certificates are comprehensive sequences of courses intended to prepare a student for professional practice in modern geoscience, and to meet formal requirements for registration in the Geology and Environmental Geoscience streams, respectively.

Certificate requirements are more specific and stringent than degree requirements in terms of the courses required in Earth Sciences and in the Foundation Sciences (mathematics and physics in particular). Earth Science students can complete the Certificates within a 120 credit hour degree by careful selection of EARTH courses and Foundation Science courses, and this should begin in the first year. Less than judicious course selection, and/or combining Earth Science with another subject which also has numerous specific course requirements, may result in a student needing extra courses (beyond the 120 credit hours) in order to complete the Certificate(s) and meet knowledge requirements for registration.

These Certificates have been developed within Dalhousie University with the intention of meeting the knowledge requirements for registration for Professional Geoscience. However, registration occurs in steps after graduation and is administered by professional associations whose requirements may change over time and may vary between jurisdictions. Consult the professional associations -- Geoscientists Canada and APGNS - for additional information on registration.

Shared requirements for the Certificate in Geology and the Certificate in Environmental Geoscience

- EARTH 1080.03/ERTH 1090.03 (for students starting program in 2014-15) or EARTH 1080.03 and one of EARTH 1030.03, EARTH 1060.03, EARTH 1090.03 (earlier years)

Foundation Sciences

- CHEM 1011.03/CHEM 1012.03
- PHYC 1190.03/PHYC 1290.03
- MATH 1000.03, or MATH 1215.03 or MATH 1280.03 or MATH 1500X.03
- MATH 1010.03 or MATH 1290.03 or MATH 1500Y.03
- One of MATH 2030.03, MATH 2300.03, MATH 2001.03, MATH 2051.03, MATH 2120.03, STAT 1060.03, STAT 2060.03
- An additional two courses from MATH, PHYC, CHEM, STAT, CSCI, or BIOL. Each course must count toward a BSc degree in that subject.

Earth Sciences

- EARTH 2000.015: Field School
- EARTH 2001.03: Earth Materials Science I
- EARTH 2002.03: Earth Materials Science II
- EARTH 2110.03: Field Methods
- EARTH 2203.03: Sediments and Sedimentary Rock
- EARTH 2270.03: Introduction to Applied Geophysics
- EARTH 2380.03: Geochemistry
- EARTH 3000.015: Computer Camp
- EARTH 3140.03: Structural Geology
- EARTH 3303.03: Stratigraphy
- EARTH 3440.03: Geomorphology
- An additional 15 credit hours in EARTH at or above the 2000 level, including nine credit hours at or above the 3000 level.

Certificate in Geology (in addition to shared requirements)

- EARTH 3010.03: Igneous Petrology
- EARTH 3020.03: Metamorphic Petrology
- EARTH 4350.03: Tectonics

Certificate in Environmental Geoscience (in addition to shared requirements)

- EARTH 4410.03: Environmental Geoscience
- Two of
 - EARTH 3400.03 Fundamentals of Hydrogeology
 - EARTH 3402.03 Practical Hydrogeology
 - EARTH 3701.03 Fundamentals of Hydrology
 - EARTH 4520.03 GIS Applications to Geological Sciences
 - EARTH 4530.03 Environmental Remote Sensing

NOTE: EARTH 3500 is a prerequisite for EARTH 4520 and EARTH 4530

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Program with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Earth Sciences and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see undergraduate advisors from Earth Sciences and from the Faculty of Engineering in their first year of study.

Required Earth Sciences courses for a BSc/BEng or BA/BEng program in Earth Sciences

- EARTH 1080.03 and EARTH 1090.03 (students starting in 2014-15 or later)
- EARTH 1080.03 and one of EARTH 1030.03, EARTH 1060.03, EARTH 1090.03, EARTH 1091.03 (earlier years)
- A minimum of 18 credit hours in EARTH at the 2000 level or higher, which must include at least six credit hours at the 3000 level or higher

Field Work

Field excursions are part of many courses and are conducted at appropriate times during the session. In addition, some optional field excursions may be held each year. Note that some mandatory field trips may be held on Saturdays or Sundays. Field Schools EARTH 2000 and EARTH 3000, which are required for most degree programs, are offered for about 10 days in late August, just before the start of the university Fall term.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

NOTE: Some mandatory field trips may be held on Saturdays or Sundays. Check with Instructor.

Course Descriptions

ERTH 1030 Introduction to Physical Geography

CREDIT HOURS: 3

This non-lab science course examines the nature of weather and climate, earth's surface features and processes, and internal processes that contribute to landform development. An integral component of the course is an exploration of the representation and interpretation of physical geographic data through the examination of a variety of maps.

NOTES: There are no pre-requisites for this course, and students may take this course in addition to any other first year Earth Science course.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

CROSS-LISTING: GEOG 1030.03

ERTH 1060 Earthquakes, Volcanoes and Natural Disasters

CREDIT HOURS: 3

Earthquakes, meteorite impacts, rapid climate change, volcanic eruptions, hurricanes, landslides, solar flares, and floods are natural disasters that affect our economy, public policy, and safety. Where, why and how frequently do natural disasters occur? Are predictions possible? Are media portrayals of risk and damage realistic? This course, aimed at the nonspecialist, investigates these intriguing questions. Excerpts of "disaster films", in conjunction with lectures and discussions are used to identify the causes, consequences and sometimes erroneous perceptions of natural hazards. Examples from Atlantic Canada and contemporary disasters are used to assess local risk and real-time events worldwide.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: GEOG 1060.03

ERTH 1080 Geology I

CREDIT HOURS: 3

This course focuses on the solid earth (geosphere) and how it evolved throughout earth's vast history, and continues to evolve today. The processes involved are recorded in the rocks and minerals of our earth, and we explore these natural processes and materials as a way to understanding our earth. The course meets the needs of students who require a science course with a lab component, is a required prerequisite course for all Earth Science majors, and serves as an introduction for all those interested in Earth Science. No previous knowledge of geology is required.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

EXCLUSIONS: Credit will be given for only one of EARTH 1080, 1010, 1040 or 1041.

ERTH 1090 Geology II

CREDIT HOURS: 3

Earth systems introduced in Geology I are explored in greater detail, with an emphasis on change through time, earth resources, and on geologic systems that are connected to human actions. This course provides a strong background to pursue further work in the environmental sciences and is the required course for Earth Sciences majors.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 is a pre- or co-requisite for EARTH 1090 or EARTH 1091.

EXCLUSIONS: credit will only be given for one of EARTH 1090, 1091, 1020, or 1050

ERTH 1091 Geology II

CREDIT HOURS: 3

ERTH 1091 has the same lecture content and lecture time as 1090, but does not have a corresponding lab session.

NOTES: This course is not offered every year. Please consult department.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080.03 or permission of instructor.

EXCLUSIONS: Credit will be given for only one of EARTH 1091.03, EARTH 1090.03, EARTH 1020.03 or EARTH 1050.03.

ERTH 2000 Earth Sciences Field School

CREDIT HOURS: 1.5

This course provides 10 to 11 days of introductory field methods in a broad range of Earth Science disciplines. A wide variety of Earth materials and geological processes are examined in the field through thematic excursions throughout southern Nova Scotia led by a variety of Earth Sciences faculty. Skills taught are soil, sediment and rock classification; note-taking, compass, map-reading and traversing; and geological analysis and report writing. The course is held at the end of summer before regular courses in the Fall term and should be taken by those enrolling in second-year level Earth Sciences courses: EARTH 2001.03, 2002.03, 2110.03, 2203.03. PREREQUISITE: EARTH 1080.03 (or SCIE 1505.18) and EARTH 1090 (or SCIE 1515 or SCIE 1530)

ERTH 2001 Earth Materials Science I

CREDIT HOURS: 3

Earth Materials Science I EARTH 2001 introduces the chemical/physical properties of minerals, their origins and distribution. Labs include mineral identification, crystal chemistry, crystallography, and optical mineralogy. X-ray diffraction and electron microprobe methods are introduced. Students who have not taken CHEM 1010 (or equivalent) are encouraged to take this concurrently.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 (or SCIE 1505) and EARTH 1090 (or SCIE 1515 or SCIE 1530) and CHEM 1011/CHEM 1012 or CHEM 1021/CHEM 1022: Chemistry majors should consult the department.

ERTH 2002 Earth Materials Science II

CREDIT HOURS: 3

This course builds on the knowledge of mineral chemistry, crystal structure, and identification techniques gained in EARTH 2001. The use of mineral assemblages and textures to classify rock types is discussed in class and labs. In the labs, students use the petrographic microscope to look at a variety of igneous, sedimentary, and metamorphic rocks in thin section.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2001.03

ERTH 2110 Field Methods

CREDIT HOURS: 3

This is intended as an introduction to field techniques useful to the practicing geologist, particularly those concepts essential for the accurate field description and identification of rocks and the use and construction of geological maps. Computer techniques and elementary structural geology are also considered.

NOTES: Attendance at the Field School (ERTH 2000.015) is mandatory prior to attendance at this course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2000.015

ERTH 2203 Sediments and Sedimentary Rocks

CREDIT HOURS: 3

The course deals with physical, chemical and biological processes that generate modern sediments, and their conversion to sedimentary rocks through time. Labs provide a practical introduction to sediment analysis and to a range of sedimentary structures and rock types. Fieldwork includes description of beaches and bedrock in the Halifax area.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 (or SCIE 1505) and EARTH 1090 (or SCIE 1515 and SCIE 1530)

ERTH 2205 Introduction to Paleontology

CREDIT HOURS: 3

This course encompasses an introduction to all the major invertebrate groups that are important in the fossil record. It begins with introduction of the first life forms, basic taxonomy and uses of fossils followed by lectures and laboratories on each major group.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2203.03 or permission of the instructor

ERTH 2270 Introduction to Applied Geophysics

CREDIT HOURS: 3

An Introduction to using physical principles to explore the Earth's subsurface, with an emphasis on near-surface applications. Topics include seismic, gravity, magnetic, electrical, and electromagnetic surveying techniques, and their application in prospecting, hydrogeology, environmental assessments, and well-logging. The geophysics field school, normally conducted during the last week of April, is an integral part of this course.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 (or SCIE 1505) and first year Mathematics and PHYC 1280.03/PHYC 1290.03 or PHYC 1300X/Y (or SCIE 1515Y or SCIE 1530Y)

CROSS-LISTING: PHYC 2270.03

ERTH 2380 Geochemistry

CREDIT HOURS: 3

An introduction to the principles of chemistry applied to geologic systems, including an overview of the chemistry of rocks and minerals, isotopes in the geologic environment, processes that control the release and mobility of contaminants in the environment, and the use of geochemical data in solving geologic and environmental problems.

FORMAT: Lecture| Tutorial

PREREQUISITE: EARTH 1080/ERTH 1090 or SCIE 1515 or SCIE 1530, and EARTH 2001 & CHEM 1011/CHEM 1012 or equivalent, or permission of the instructor

ERTH 2410 Environmental Issues in Earth Sciences

CREDIT HOURS: 3

Geology underlies many of the environmental problems facing humans today. Topics include environmental aspects of energy and mineral resource, geologic hazards, geologic connections to pollution and waste disposal, and the role that water plays in its various guises. Canadian examples are incorporated where appropriate.

Approved with Canadian Studies.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: One of: EARTH 1080, EARTH/GEOG 1030, EARTH/GEOG 1060, ENVS 1000, SUST 1001 with a grade of B or above, or DISP with Earth Sciences

CROSS-LISTING: CANA 2410, ENVS 2410

EXCLUSIONS: This class is not available for Earth Sciences Majors

ERTH 2420 Dinosaurs

CREDIT HOURS: 3

Students will consider the origin, evolution and extinction of non-avian dinosaurs. What are dinosaurs? Why were some dinosaurs so big? What did dinosaurs eat? How fast could dinosaurs run? Were dinosaurs good parents? To answer these questions, we will examine the nature of evidence gathered from dinosaur fossils and their surrounding rocks.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080.03 or any two of EARTH 1010, EARTH 1020, EARTH 1030, EARTH 1040, EARTH 1041, EARTH 1050, EARTH 1060, EARTH 1090, EARTH 1091, or SCIE 1515, SCIE 1515 or SCIE 1530, or permission of instructor

ERTH 2430 Forensic and Medical Geology

CREDIT HOURS: 3

Designed for non-earth sciences majors, this course explores the evolving fields within the realm of geosciences. Forensic and medical geology share a common thread in that both depend upon identifying potential geologic and geoenvironmental sources of evidence, and applying this information to solve a larger problem, either legal or health-related.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture| Tutorial

PREREQUISITE: EARTH 1080 and one other Earth Sciences course or instructor's permission.

ERTH 3000 Intermediate Field School

CREDIT HOURS: 1.5

This course provides 10 days of geological mapping in the field and entails (1) identifying, measuring and localizing rocks and geological structures, (2) drawing geological maps from field observations and (3) writing a report describing and interpreting the data. Strong mapping skills are crucial to future geologists. Note: This class is held at the end of summer before regular classes in the fall term and is required for BSc Major and Honours programs.

PREREQUISITE: EARTH 2000.015, EARTH 2002.03, EARTH 2110.03, EARTH 2203.03

ERTH 3010 Igneous Petrology

CREDIT HOURS: 3

Igneous petrology is the study of the field relations, mineralogy, texture, and geochemistry of volcanic and plutonic rocks. Lectures discuss the classification and graphical representation of igneous rocks; the production, differentiation, and emplacement of magma in different tectonic environments. Practical work consists of laboratory petrographic examination and two field trips.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2002.03 and EARTH 2380.03

ERTH 3020 Metamorphic Petrology

CREDIT HOURS: 3

Metamorphic petrology is the study of the way in which pre-existing igneous, sedimentary, and metamorphic rocks respond to changes in pressure, temperature, and geochemical environment. Metamorphic reactions, deformation and recrystallization, the stability relations of minerals and mineral assemblages under various physical and chemical conditions, and the concept of metamorphic facies are discussed. The relationship of metamorphism to other geological processes is considered. In the labs, microscopic mineralogy and texture are used to decipher the metamorphic history of rocks.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 3010.03

ERTH 3140 Structural Geology

CREDIT HOURS: 3

Introduction to the behaviour of rocks during deformation, stressing the geometrical aspects of rock structures. Students learn: (a) geometrical principles to identify, describe, and interpret common types of structures in outcrop and hand sample; (b) to interpret the mechanical properties of rocks based on their microstructure; (c) construction techniques to calculate and interpret stress and strain in deformed rocks.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2002.03, EARTH 2110.03, EARTH 2203.03

ERTH 3302 Quaternary Sedimentary Environments

CREDIT HOURS: 3

The student is exposed to fluvial, alluvial, subglacial, glaciolacustrine, hillslope, eolian, coastal, shallow marine, rift, wedge top, retroarc, and foreland basin environments. Field trips and labs provide experience in methods used to distinguish the environments, including sedimentology, geomorphology, geochronology and thermochronology, and analysis of soils, cores, pebble fabrics, and section-scale non-petroleum sedimentary facies. Quaternary paleoclimatology and tectonic controls on weathering and deposition are discussed and debated.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2203.03

CROSS-LISTING: GEOG 3302

ERTH 3303 Stratigraphy

CREDIT HOURS: 3

Stratigraphy is the backbone of the geological sciences; it brings together sedimentology, paleontology, petrology and structural geology to reconstruct Earth history. We survey the impact of sea-level change, tectonics and climate on sediment accumulation, with emphasis on seismic and sequence stratigraphy. Case studies focus on sedimentary basins across Canada, and practical work includes laboratory and class exercises, as well as field excursions.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: EARTH 2203.03

ERTH 3400 Fundamentals of Hydrogeology

CREDIT HOURS: 3

This course quantitatively examines groundwater movement, as well as geophysical and geological methods for groundwater exploration, regional occurrence and chemical quality. Laboratory work stresses familiarity with techniques employed in the assessment and exploration of groundwater resources, as well as the analysis and interpretation of water quality data.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: EARTH 2001.03 and MATH 1000 (or MATH 1215) permission of instructor

ERTH 3402 Practical Hydrogeology

CREDIT HOURS: 3

This course is designed to build on EARTH 3400.03 and focuses on the practical aspects of groundwater resources development and monitoring system installation, including drilling methods, well design, well hydraulics and aquifer analysis, slug testing, data interpretation, and introduction to groundwater modelling. Actual case history data and problem assignments with practical applications are emphasized.

FORMAT: Lecture| Lab| Tutorial
LECTURE HOURS PER WEEK: 3
PREREQUISITE: EARTH 3400.03

ERTH 3420 Geochemistry of Aquatic Environments

CREDIT HOURS: 3

Given the abundance of water at the earth's surface and the wide use both humans and other organisms make of aqueous environments, it becomes imperative for environmentally-oriented scientists to understand the chemistry of natural bodies of water. In particular, we need to comprehend the processes that lead to the observed composition of groundwaters, lakes, rivers and oceans. We also need to be aware of how man's activities can alter these natural systems. Water is also an agent for geologic and environmental change, both on short and long time-scales. Earth and environmental scientists should have an appreciation of these processes (sources, sinks and transport mechanisms) and the resulting geological cycles. This course is an introduction to the governing principles and processes of aquatic geochemistry. Specific topics will include physical chemistry of natural waters, kinetics (mechanisms & rates) of geochemical reactions, the hydrologic cycle, the dissolved carbonate system and pH controls, redox reactions and the influence of life, rainwater and acid rain, weathering and the formation of soils, mineral-solution equilibria, controls on the composition of rivers, lakes and oceans, sediments and their after-burial changes, and the global cycles of carbon, nitrogen, and sulfur. Students will be taught to approach problems quantitatively through the principles of mass action (Eh-pH and activity-diagrams) and of mass balance (box models and conservation equations).

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: CHEM 1011.03/1012.03 or equivalent and EARTH 1080/1090 or EARTH 1010/1020
CROSS-LISTING: OCEA 3420.03

ERTH 3440 Geomorphology

CREDIT HOURS: 3

Geomorphology is the quantitative study of Earth's surface processes and landforms with applications geology, civil engineering, hydrogeology, and environmental management. We investigate slope stability, weathering and soils, sediment production, wind-driven and coastal environments, tectonic landforms, and river, glacial and permafrost processes.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: EARTH 1080 and EARTH 1090 recommended; or SCIE 1505.21, SCIE 1515.27 or SCIE 1530.33 or permission of instructor AND completion or concurrent enrolment of a 1000-level mathematics class, a 1000-level physics class and a 1000-level chemistry class.
CROSS-LISTING: GEOG 3440.03

ERTH 3500X/Y Geoscience Information Management

CREDIT HOURS: 3

Geographic Information Systems (GIS), as a tool for the management of georeferenced data, have become indispensable for disciplines where location of objects and pattern of processes is important. GIS plays a significant role a wide range of applications, from modeling, to analysis and predictions, to decision making. The course is aimed at a broad base of potential users and draws on examples of the role of GIS in global climate change, mineral exploration, preservation of biodiversity, coastal zone management, resource depletion, and many other present and future environmental issues. The course material will be of interest to those studying geoscience, environmental science, ecology, marine biology, oceanography, epidemiology, urban and rural planning, civil engineering, and any other field involving spatial data. Laboratory exercises emphasize the principles of raster and vector GIS, and the integration of databases and GPS (global positioning systems) data into GIS. Exercises draw on the diversity of GIS applications in a number of application areas.

FORMAT: Lecture| Lab
LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: Two years of university study or equivalent or instructor's permission
CROSS-LISTING: EARTH 5600, GEOG 3500, ENVS 3500
EXCLUSIONS: Credit will only be given for one of EARTH 3500.03, EARTH 5600.03, GEOG 3500.03, SCIE 3600.03 or ENVS 3500

ERTH 3601 Global Biogeochemical Cycles

CREDIT HOURS: 3

We currently face daunting environmental challenges at the global scale that are expected to worsen in the 21st century, including a global water crisis, climate change and pollution of our waters and atmosphere; this course examines the science behind these environmental issues from the multidisciplinary framework of global biogeochemical cycling. With the global scale as the focus, this course pulls together the many disparate fields that are encompassed by the broad reach of

biogeochemistry. You will learn about the processes that drive the movement of carbon, water, nitrogen, phosphorus, and sulphur, through the earth system, and the residency of these elements in the atmosphere, soils, lithosphere, oceans and freshwaters. In the quantitative and analytical exercises you calculate and compare the effects of industrial emissions, land clearing, agriculture, and rising population on the processes driving the Earth's chemical cycles. Weekly journal readings for discussion in laboratory group cover the latest developments in this exciting and rapidly changing field. This course provides an excellent framework for those interested in the science of global change.
PREREQUISITE: CHEM 1011/ CHEM 1012 or equivalent, and one of ENVS 1000, SUST 1001, EARTH 1080, or one of SCIE 1502XY/SCIE 1504/ SCIE 1510XY, and completion of 2 years of an undergraduate degree.
CROSS-LISTING: ENVS 3601.03

ERTH 3701 Fundamentals of Hydrology

CREDIT HOURS: 3

This course is an introduction to hydrology, emphasizing surface processes and watershed responses. In this course we learn about both the pure and applied uses of hydrology. The course is quantitative and introduces hydrologic processes in the atmosphere, on the land surface, in groundwater and in stream channels.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03 or MATH 1215.03 and one of ENVS 1000.06, SUST 1001.06, EARTH 1080.03, or one of SCIE 1505, SCIE 1515, SCIE 1530.27 and completion of 2 years of an undergraduate degree. PHYC 1280 and PHYC 1290.03 (or PHYC 1300X/Y.06) Recommended.

CROSS-LISTING: ENVS 3701.03

ERTH 4001 Sponsored Geologic Experience

CREDIT HOURS: 1.5

These Field Trips &/or Laboratory Sessions Introduce students to some of the following: Practical exploration techniques, field and laboratory skills, familiarization with deposit models, related economic and environmental geology, and the business side of Earth-science industries.

FORMAT: Lab

ERTH 4002 Advanced Field School

CREDIT HOURS: 3

This application of the principles of field geology is a comprehensive and intellectually challenging program designed to provide pre-professional field training for senior BSc geoscience students. Multiple field-based projects challenge students to synthesize field observations and solve geological and environmental geoscience problems to gain training that is otherwise difficult to obtain in the classroom or laboratory.

NOTES: The field camp is usually offered in May at selected international settings, and involves mapping exercises and camping over a wide range of climate and topography.

PREREQUISITE: EARTH 3000, EARTH 3140 permission from instructor

ERTH 4010 Advanced Topics in Petrology and Geochemistry

CREDIT HOURS: 3

This course advances students' knowledge of modern aspects of petrology, volcanology, and geochemistry, chosen to reflect instructor and students interests. The focus is on learning thermodynamic and computational methods as well as advanced petrographic work and field mapping for interpretation of igneous and metamorphic rocks.

PREREQUISITE: EARTH 3010, EARTH 3020, EARTH 3000

CROSS-LISTING: EARTH 5010

ERTH 4100X/Y Research Project

CREDIT HOURS: 6

This course allows students who are not in an Honours program to do a research project. See course description for EARTH 4200X/Y.06.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ERTH 4110 Geological Oceanography

CREDIT HOURS: 3

This course is intended to give a broad survey of topics in marine geology and geophysics. The course content covers recent methods and observations with quantitative applications to an understanding of geophysical and geological processes. Some topics covered are: plate tectonics and seismic, heat flow, gravity, and magnetic methods, patterns and processes of sediment transport and deposition.

NOTES: Some laboratory exercises augment the lectures, including a field cruise to local beaches. Third year and honours undergraduates will be admitted by consent of the instructor. No previous background in Geology or Geophysics is required.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: OCEA 5110.03, OCEA 4110.03

ERTH 4131 Advanced Petroleum Geoscience

CREDIT HOURS: 3

This is an advanced course in petroleum geoscience applications and interpretation of basin/prospect evaluation. Students work in a team interpreting industry data, including well logs and reflection seismic, in a competitive environment. The team submits its findings and recommendations in written and oral presentations.

FORMAT: Lecture

PREREQUISITE: EARTH 3303.03, EARTH 4153.03, or permission of the instructor

CROSS-LISTING: EARTH 5131.03

ERTH 4151 Mineral Deposits

CREDIT HOURS: 3

This course is an introduction to the geology of metallic ore and some industrial mineral deposits. Emphasis is given to the ore formation processes that lead to the economic concentrations of commodities. The course integrates many Earth Science disciplines. Laboratory work introduces ore study in reflected light microscopy.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3
LAB HOURS PER WEEK: 3
PREREQUISITE: EARTH 3010.03, 3140.03
CROSS-LISTING: EARTH 5151.03

ERTH 4153 Petroleum Geology

CREDIT HOURS: 3

This course provides an introduction to petroleum geology (gas and oil) with some discussion of alternative energy sources. The course provides an introduction to petroleum geology and petroleum systems with discussion of basin analysis, source rock evaluation, seismic and well log sequence stratigraphy, core and outcrop description, depositional facies analysis, oil sands geology, biostratigraphy, drilling and completions, petrophysics and well log analysis in addition to other topics.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 2270.03, EARTH 3140.03, EARTH 3303.03

ERTH 4157 Petroleum Geoscience Field Methods

CREDIT HOURS: 3

This course provides an advanced-level overview of petroleum systems and petroleum geology field methods including basin analysis, source rock evaluation, seismic and well log sequence stratigraphy and depositional facies analysis, biostratigraphy, drilling and completions, petrophysics and well log analysis in addition to other topics. The course comprises lecture, presentations, and a one week field seminar.

PREREQUISITE: EARTH 3303.03 and EARTH 4153.03 and permission of instructor

ASSESSMENT METHOD: Students will produce and present a geologic report and a safety report, as well as a final report and presentation. This is in addition to the assignments and labs in the field that are submitted for assessment.

ERTH 4200X/Y Honours Thesis

CREDIT HOURS: 6

This course covers many aspects of written and oral communication of scientific material. In particular, it covers the scientific method, the elements of scientific style, the logical organization and development of ideas and scientific writing. Individual research presentations form a key component.

NOTES: This is a compulsory course for students writing an Honours thesis in Earth Sciences, but is open to students from other disciplines. Field work may be part of thesis research. Credit can only be given for this course if X and Y are completed in consecutive terms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ERTH 4350 Tectonics

CREDIT HOURS: 3

This is a required course for Earth Sciences honours students. It is intended to synthesize the various aspects of geology covered in the third year core program. The focus of the course is on tectonic processes and the ways in which these processes create and modify the Earth's crust. We cover the fundamental geological, geophysical, and geochemical controls that operate today, including plate tectonics, and the ways in which these might have differed in the geological past. The tectonic evolution of specific orogenic belts is discussed, including both modern and ancient examples in Canada and other parts of the world.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 2270.03, 3140.03

CROSS-LISTING: EARTH 5350.03

ERTH 4410 Environmental Geoscience

CREDIT HOURS: 3

Environmental geoscience integrates various aspects of earth sciences to critically examine the interaction between humans and the geologic environment. Topics include: environmentally sensitive elements and minerals, geologic hazards, water, soil, mineral and energy issues, use of isotopes as tracers, as well as waste management, radioactivity, and the urban environment.

PREREQUISITE: or Co-REQUISITE: EARTH 2380.03 and three EARTH courses at the 3000 level or above, or permission of instructor

RESTRICTIONS: Restricted to students in third year or above.

ERTH 4470 Introduction to Seismic Imaging

CREDIT HOURS: 3

This course teaches the basic techniques of the reflection seismic method for imaging of earth structures such as those used in hydrocarbon exploration. Lectures introduce concepts and techniques that are applied in computer lab to the processing of a multi-channel seismic dataset. Concepts covered include: source and receiver geometry, digital filtering, deconvolution, velocity analysis, stacking, and migration.

FORMAT: Lecture| Lab

PREREQUISITE: EARTH 2270.03 or consent of instructor

CROSS-LISTING: EARTH 5470.03, OCEA 4470.03, PHYC 4470.03, PHYC 5470.03

ERTH 4480 Advanced Seismic Imaging

CREDIT HOURS: 3

This course teaches more advanced techniques of seismic imaging of earth structures. Lectures introduce techniques that will be applied in the computer lab to the processing of multi-channel reflection and wide-angle refraction seismic datasets. Concepts covered include: multiple removal, pre-stack migration in time and depth, amplitude analysis, velocity modeling and inversion.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 4470.03 or consent of instructor

CROSS-LISTING: EARTH 5480.03, OCEA 4480.03, PHYC 4480.03, PHYC 5480.03

ERTH 4510 Directed Reading

CREDIT HOURS: 3

This course is intended to permit further study of a specific topic of interest, or to correct a deficiency in a student's program. The course is supervised by a regular faculty member and the course content and marking scheme must be submitted to and approved by the chairperson in the first week of classes. Note: Further guidelines for directed reading courses are available from the undergraduate advisor or the Earth Sciences office.

NOTE: Course Details listed here also apply to ERTH 4511.

PREREQUISITE: Permission of Department

ERTH 4511 Directed Readings

CREDIT HOURS: 3

See ERTH 4510.

ERTH 4520 GIS Applications to Environmental and Geological Sciences

CREDIT HOURS: 3

Geographic information systems (GIS) provide a rich set of new tools to the geologist and environmental scientist, not only to solve conventional problems, but also to explore questions not readily answered by other means. This course builds on the fundamentals of GIS taught in ERTH 3500.03 to explore analytical tools that aid in decision-making processes encountered in mineral exploration, hydrogeology, site selection, environmental assessment, and global change analysis. The course concentrates on case studies and problem solving, including those requiring multi-criteria and multi-objective decision making processes.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: GEOG 3500.03, ENVS 3500, ERTH 3500.03; ERTH 5600, or SCIE 3600.03; STAT 1060.03

CROSS-LISTING: GEOG 4520.03, ERTH 5520.03

ERTH 4530 Environmental Remote Sensing

CREDIT HOURS: 3

The goal of this course is to introduce students to the role of remote sensing as a technique provide environmental and geologic information. Particular emphasis will be placed on examining the potential and limitations of remote sensing methods and data in this context. The lectures discuss the fundamentals of remote sensing with an emphasis on multi-spectral satellite systems. In the lab, students use computerized techniques of digital image enhancement and thematic information extraction to process images derived from optical, radar, and hyperspectral remote-sensing systems. The integration of remote-sensing information with GIS (Geographic Information Systems) is stressed in both the labs and lectures.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ERTH 3500.03, GEOG 3500.03, ENVS 3500.03 or ERTH 5600.03 or SCIE 3600.03

CROSS-LISTING: GEOG 4530.03, ERTH 5530.03

ERTH 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: ERTH 5420.03/GEOG 4520.03

PREREQUISITE: ENVS 3500.03/ERTH 3500.03/GEOG 3500.03 and permission of instructor

CROSS-LISTING: SCIE 4850.03, ENVS 4850.03, ERTH 4850.03, GEOG 4850.03

EXCLUSIONS: Restricted to 3rd and 4th year students

Economics

Location:

Building/Room: Administrative Office - 6214 University Avenue

Street Address 1: 6206, 6214 and 6220 University Avenue

Street Address 2:

P.O. Box: 15000

Halifax, NS B3H 4R2

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Introduction

Economics is a social science - a science because it involves a rigorous intellectual effort to derive logical conclusions from basic facts and propositions; a social science because it has human beings and their welfare as its ultimate concern. The basic facts of Economics cannot be knowable and measurable with the same precision as those of the physical sciences - human society and its motivations are far too complex to permit this - but none of the sciences surpasses economics in its relevance to our needs, problems and goals.

Economics analyzes the equity, efficiency, and sustainability of human behavior in the production, distribution, and consumption of commodities. Economics is not an easy science; indeed, it is one of the most complex, difficult (and fascinating) areas of study when you pursue it beyond its elementary levels, but some basic knowledge of economics is essential for any educated person. A more extensive knowledge of the subject is an invaluable complement to other fields of specialization such as law, commerce, politics and other studies in social sciences or humanities, and a specialization in the field can lead to a variety of interesting career opportunities.

Degree Programs

The Department of Economics offers the following degree programs in Economics

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Economics
- Minor in Economics

* May be combined with Minor programs from other disciplines

Departmental Requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with an Economics undergraduate academic advisor.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chairperson of Department

Xu, K., Dip. (Beijing Teachers' Univ.), MBA, PhD (Concordia)

Faculty Advisors

Dasgupta, S., Undergraduate Coordinator, Co-op Academic Advisor (econadvisor@dal.ca)

Burton, P., BSc (Saskatchewan), MA, PhD (UBC)

Professor Emeritus

Sinclair, A., BA (Dalhousie), MA, BPhil (Oxon), PhD (Harvard)

Professors

Burton, P., BSc (Saskatchewan), MA, PhD (UBC)

Dasgupta, S., BA (Calcutta), MA (Delhi), MA, PhD (Rochester)

Iscan, T., BA (Middle East Tech.), MA, PhD (Cornell)

Lesser, B., BComm (Dalhousie), MA, PhD (Cornell)
Osberg, L., BA (Hons) (Queen's), MPhil, PhD (Yale), McCulloch Professor of Economics
Phipps, S. A., BA (Hons) (Victoria), MA, PhD (UBC), Maxwell Chair of Economics
Xu, K., Dip. (Beijing Teachers' Univ.), MBA, PhD (Concordia)

Associate Professors

Cyrus, T., BA (UCLA), PhD (Berkeley)
Kotlyarova, Y., Dip. Software Eng (Lviv Poly. Inst.), MSc (U of Illinois - Urbana), PhD (McGill)
Rosenblum, D., BA (Williams College), MA, MPhil, PhD (Yale)
Ward, C., BA (Saskatchewan), MA (Queen's), PhD (Toronto)

Assistant Professors

Akbulut-Yuksel, M., BS (Middle East Tech.), MA, PhD (Houston)
Giusto, A., Laurea in Economics (Bologna), PhD (Oregon)
Okoye, C., BA (Hons), PhD (UWO)
Warman, C., BA (Combined Hons), MA, PhD (Carleton)
Yuksel, M., BSc (METU), MA, PhD (Houston)
Zhou, W., BE, MA (Tokyo Inst. of Technology), PhD (UBC)

Adjunct Professors

Amirkhalkhali, S. I., BA Hons (Shiraz), MA, PhD (Dalhousie), SMU
Cross, M. L., AA (Dawson College), BA (Montana), MA (SFU), PhD (Texas A&M)
de Lamirande, P., BA, MA (Laval), PhD (Montreal)
Dufour, M., PhD (Massachusetts), MA (UBC)
Huber, P. B., BA, MA, PhD (Yale)
MacDonald, M., BA (Dalhousie), PhD (Boston College), SMU
Marfels, C. T., Diplom-Volkswirt, Dr.Rer.Pol. (Berlin)
McAllister, R. I., MA (Oxon), MA (Cantab)
Rankaduwa, W., BA, MSc (Sri Lanka), MA, PhD (Dalhousie), UPEI
Sinclair, A. M., BA (Dalhousie), MA, BPhil (Oxon), PhD (Harvard), Professor Emeritus

Senior Instructor

Boulaltoff, C., MS (Université Catholique de l'Ouest), PhD (Utah State)

Instructors

Forsdyke, R., BSc (Hons) Biochemistry, BEd, MA (Queen's), PhD (Simon Fraser)
Kivinen, S., BA (Hons) (Lakehead), MA (Simon Fraser), PhD (ABD) (Queen's)

Cross-Appointed Faculty

Clark, S., BA (Guelph), MSc (Saskatchewan), PhD (North Carolina), Faculty of Agriculture
Yiridoe, E. I., BSc (Univ Science and Tech Ghana), MSc, PhD (Guelph), Faculty of Agriculture
Zhao, Y., MSc (Western Kentucky), PhD (British Columbia), Professor of Finance, Faculty of Management

BSc or BA (120 credit hour) Concentrated Honours in Economics

Students who want a challenging program that results in a broad background in Economics and includes an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Economics with a minimum GPA of 3.3 and write a research-based Honours thesis. The Honours Qualifying Examination requirement is satisfied through completion of ECON 4200.06: Honours Thesis.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Economics should consult with an Economics Honours Advisor early in their studies. To be admitted, students must

- Have at least a B+ average (GPA of 3.3 or above) in Economics courses at the 2000 level and above, with no grade lower than a C
- Have completed ECON 2200.03, ECON 2201.03, ECON 3338.03, ECON 3339.03, and ECON 3700.03
- Have completed the Dalhousie writing requirement with a grade of B or higher
- Submit the Economics Department honours application by the end of their third year of studies

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Concentrated Honours program in Economics must complete the following courses:

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03 or STAT 2060.03

2000 level and higher

- ECON 2200.03/ECON 2201.03
- ECON 2280.03 (or MATH 2080.03/STAT 2080.03)
- MATH 2030.03
- ECON 3338.03/ECON 3339.03
- ECON 3700.03
- One of ECON 2233.03, ECON 2239.03, ECON 3310.03, or ECON 3349.03
- ECON 4420.03/ECON 4421.03
- ECON 4200.06 (Honours thesis)
- An additional 21 credit hours in Economics at or above the 2000 level

BSc or BA (120 credit hour) Combined Honours in Economics and another subject

Students who wish to study Economics in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Economics may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Economics, this requirement is satisfied through ECON 4200.06: Honours Thesis.

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Combined Honours program in Economics and another subject must complete the following:

Economics as primary or secondary subject

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03 or STAT 2060.03

2000 level and higher

- ECON 2200.03/ECON 2201.03
- ECON 2280.03 (or MATH 2080.03/STAT 2080.03)
- MATH 2030.03
- ECON 3338.03/ECON 3339.03
- ECON 3700.03
- One of ECON 2233.03, ECON 2239.03, ECON 3310.03, or ECON 3349.03
- ECON 4420.03/ECON 4421.03
- An additional 3 credit hours in Economics at or above the 2000 level

If Economics is the primary subject, students will also complete

- ECON 4200.06 Honours Thesis

BSc or BA (120 credit hour) Major in Economics

The 120 credit hour Major is suited to students who want to focus on Economics, but wish to have a program that is somewhat less constrained than the Honours program. BSc Economics Majors complete a minimum of 42 credit hours in Economics courses; BA Economics majors complete a minimum of 36 credit hours in Economics courses. Research and other experiential learning opportunities are available through special topics and experiential classes.

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

BSc Major requirements:

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03/MATH 1010.03
- MATH 1060.003/STAT 1060.03 or STAT 2060.03

2000 level

- ECON 2200.03/ECON 2201.03
- ECON 2280.03 (or MATH 2080.03/STAT 2080.03)
- MATH 2030.03
- An additional 15 credit hours in Economics at or above the 2000 level

3000 level and higher

- ECON 3338.03
- An additional 15 credit hours in Economics at or above the 3000 level

BA Major requirements:

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03
- MATH 1060.03/STAT 1060.03

2000 level

- ECON 2200.03/ECON 2201.03
- An additional 12 credit hours in Economics at or above the 2000 level

3000 level and higher

- An additional 18 additional credit hours in Economics at or above the 3000 level

BSc or BA (120 credit hour) Double Major in Economics and another subject

The Double Major degree program allows students to combine a study of Economics with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Economics may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

BSc requirements (Economics as primary or secondary subject)

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03 or STAT 2060.03

2000 level

- ECON 2200.03/ECON 2201.03
- ECON 2280.03 (or MATH 2080.03/STAT 2080.03)
- MATH 2030.03
- An additional 9 credit hours in Economics at or above the 2000 level

3000 level and higher

- ECON 3338.03
- An additional 9 credit hours in Economics at or above the 3000 level

BA requirements (Economics as primary or secondary subject)

1000 level

- ECON 1101.03/ECON 1102.03
- MATH 1000.03
- MATH 1060.03/STAT 1060.03

2000 level

- ECON 2200.03/ECON 2201.03
- An additional 12 credit hours in Economics at or above the 2000 level

3000 level and higher

- An additional 12 additional credit hours in Economics at or above the 3000 level

BSc or BA (90 credit hour) with Minor in Economics

The 90 credit hour degree with Minor in Economics is appropriate for students who want to study some Economics but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Economics. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Economics is usually the preferred option for students who wish to combine studies in Economics with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program).

See the Minor in Economics section of this Calendar.

Minor in Economics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Economics is available to students in the Faculty of Science.

Requirements

- ECON 1101.03/ECON 1102.03
- Must complete between 18 and 36 credit hours in Economics courses at the 2000 level or higher

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Co-operative Education Program in Economics

Co-op Academic Advisor: Dr. T. Cyrus (teresa.cyrus@dal.ca)

Co-operative Education in Science is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in **BSc (120 credit hour) Honours or Major programs** in Economics, or in Combined Honours or Double Major programs with Economics as the primary subject. The number of students admitted into Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Co-op during their first year of study, but application during the second year of study is possible. Students must apply before April 15, and it is strongly recommended that interested students meet with their Department Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Co-operative Education office dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Economics, please see the Department webpage dal.ca/faculty/science/economics/programs/co-operative-education.html.

Minors available to students in Economics

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Economics may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Economics, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section of this calendar. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section of the calendar.

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Economics with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Economics and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Economics and from the Faculty of Engineering in their first year of study.

Graduate Studies

The Department offers a graduate program leading to the MA, MDE and PhD degrees. Details of these programs, including a list of graduate courses, are given in the Calendar of the Faculty of Graduate Studies. Senior undergraduates may be admitted to some graduate courses at the discretion of the instructors concerned.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

Recent course outlines are available on the department's website (<http://economics.dal.ca>)

All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

Course Descriptions

ECON 1101 Principles of Microeconomics

CREDIT HOURS: 3

How do you decide whether or not to go to university? Why does the price of pizza change so much less than the price of oil? What will better help prevent climate change: a carbon tax, or a cap-and-trade system? Microeconomic analysis, which considers the behaviour of individuals and businesses, can answer questions like these.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ECON 1102 Principles of Macroeconomics

CREDIT HOURS: 3

Why are some countries rich and others poor? If high oil prices cause the loonie to rise, how are Ontario manufacturers affected? Why were mortgage interest rates above 20% in 1981 but below 5% in 2013? Macroeconomic analysis, which considers the behaviour of the entire economy, can answer questions like these.

NOTES: ECON 1101.03 is not required before taking ECON 1102.03. ECON 1101.03 and ECON 1102.03 (together) satisfy the Principles of Economics requirement for Economics majors and for Bachelor of Commerce and Bachelor of Management students.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

ECON 2200 Intermediate Microeconomics

CREDIT HOURS: 3

This course covers consumer behaviour, the theory of the firm, factor markets, and general equilibrium welfare analysis. The course serves as the microeconomic prerequisite for higher-level courses in economics.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03

EXCLUSIONS: ECON 2220.03

ECON 2201 Intermediate Macroeconomics

CREDIT HOURS: 3

An extension of macroeconomic theory of income, unemployment, the exchange rate, inflation and financial markets that satisfies the minimum macroeconomic theory requirement for majors in economics. Serves as the macroeconomic prerequisite for higher-level courses in economics.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1102.03

ECON 2213 Emerging Giants: The Economic Rise of China and India

CREDIT HOURS: 3

This course examines the economic history, current issues, and future trends of China and India, answering such questions as: What explains China's and India's growth? How is climate change affected by this growth? How are global labour markets affected? Must growth lead to rising inequality? Is democracy required for development?

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

CROSS-LISTING: CHIN 2290.03

ECON 2216 Economics of Global Warming

CREDIT HOURS: 3

This course uses economic principles to investigate such questions as: What are the benefits and costs of various time paths for abating emissions? How do we value the well-being of future generations? How do we balance helping the poor with environmental sustainability? What policies can align incentives with environmental sustainability?

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03

EXCLUSIONS: ECON2850.06, PHYC2850.06

ECON 2217 Women and the Economy

CREDIT HOURS: 3

This course studies questions such as: Have economic conditions improved for women in Canada over the past 30 years? Is there gender discrimination in the Canadian labour market? What are the economic consequences of divorce? Are women more likely than men to be poor? Are there inequalities within families?

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses. Approved with Canadian Studies.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

CROSS-LISTING: GWST 2217.03

ECON 2218 The Canadian Economy in the New Millennium: Economic Policy Debates

CREDIT HOURS: 3

Canada's economy today faces many problems: unemployment, productivity, income distribution, environmental protection, trade relations, federal-provincial fiscal relations, maintenance of social programs, etc. What are the most important economic policy issues that Canada now faces? What is the appropriate policy role for government?

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses. Approved with Canadian Studies.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

CROSS-LISTING: CANA 2218.03

ECON 2219 Euros and Cents: From Common Market to European Union

CREDIT HOURS: 3

The European Union is a grand experiment to unite countries in a single market. The stepwise evolution from customs union to common market to economic and monetary union with a single currency, the Euro, is reviewed and analyzed. Learn more about an economic integration that is unparalleled in history.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03 or permission of instructor

ECON 2220 Microeconomic Theory

CREDIT HOURS: 3

This course covers the economic behaviour of individual decision makers, such as a consumer, a worker or a firm. Emphasis is on theoretical ideas, while applications of these ideas are also considered. Of particular interest to those planning to major or to do honours in economics.

NOTES: Students may not receive credit for both 2200.03 and 2220.03. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Econ 1101.03, MATH 1000.03 (or equivalent)

ECON 2231 Health Economics

CREDIT HOURS: 3

This course introduces students to the role of economics in health, health care, and health policy. It comprises a survey of major topics in health economics and an introduction to the ongoing debate over health care policy. Topics include the economic determinants of health, the market, the market for medical care, the market for health insurance, the role of government in health care, and health care reform.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

ECON 2233 Canadian Economic History

CREDIT HOURS: 3

An examination of the economic history of Canada from the time of Confederation to WWI. Major topics explored include: the economic reasons for Confederation, the building of the CPR, the Wheat Boom, foreign trade and investment and the roots of regional disparities.

NOTES: Approved with Canadian Studies. The student is recommended to have some knowledge of history prior to taking this course. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

CROSS-LISTING: CANA 2233.03

ECON 2239 The European Economy Since 1900

CREDIT HOURS: 3

This course applies economic theories to interpret quantitative economic changes in major European countries during the turbulent 20th century. Issues addressed include sources of growth and unevenly improved welfare, war, inflation, depression; Nazi economy; Communism's nature, success, and ultimate failure; reparations and the transfer 'problem'; and the 'transition.'

NOTES: Approved with Canadian Studies. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

ECON 2260 Statistics I

CREDIT HOURS: 3

See course description for MATH 2060.03, in Mathematics section of this calendar.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: MATH 1000.03 or MATH 1215.03 and either MATH 1010.03 or 2030.03 or DISP

CROSS-LISTING: MATH 2060.03, STAT 2060.03

EXCLUSIONS: ENGM 2032.03

ECON 2280 Statistics II

CREDIT HOURS: 3

See course description for MATH 2080.03, in Mathematics section of this calendar.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: STAT 1060.03 or STAT 2060 or DISP

CROSS-LISTING: MATH 2080.03, STAT 2080.03

ECON 2334 Globalization and Economic Development: Current Debates

CREDIT HOURS: 3

Economists have long debated whether the task of development should be entrusted largely to market forces, or whether there was role for the state in directing a nation's economic affairs. These debates over development continue. We assess critiques of the economic analysis of development. Students will be encouraged to debate these issues and come to their own conclusions.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, ECON 1102.03

ECON 2336 Regional Development

CREDIT HOURS: 3

Why are some countries or regions poor? Why have the relative positions of different countries and regions shifted over the last several decades? Economic development issues, policies, and theories are analyzed to answer these questions.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture| Seminar

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 1101.03, 1102.03

CROSS-LISTING: GEOG 2336.03

ECON 2400 Economics of Retirement

CREDIT HOURS: 3

This course aims to explain how households save for retirement and manage their finances once retired. It applies a modified version of standard economic theory of shed light on the adequacy of households discussion-making. It appraises defined benefit and defined contribution pensions, and proposes ways of mitigating their shortcomings.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

PREREQUISITE: ECON 1101.03 and ECON 1102.03

ECON 2850 The Science and Economics of Climate Change

CREDIT HOURS: 6

This course examines how climate change will impact the environment and human activities, and how to formulate and implement economically realistic solutions. It integrates the physical and biological science with economics in order to analyze the response options as we move towards a carbon-neutral society.

FORMAT: Lecture

CROSS-LISTING: PHYC 2850.06

EXCLUSIONS: PHYC 2800.03, ECON 2216.03

ECON 3111 Writing in Economics

CREDIT HOURS: 3

This course provides instruction in principles and practice of good writing about economics. Students read and examine writing samples and practice writing for various venues (such as government, firms, and news media) in various formats (such as opinion editorials, government policy papers, economics blogs, and journal articles).

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: ECON 2200.03, ECON 2201.03 and a Dalhousie writing course

ECON 3310 Economic Growth in Historical Perspective

CREDIT HOURS: 3

This course examines the sources of long-run economic growth and development in a historical perspective. Topics covered include invention, innovation, culture, legal institutions governing access to resources, demography, fertility, mortality, and alternative modes of production.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 2201.03

ECON 3315 Labour Economics

CREDIT HOURS: 3

This course considers the theory, evidence and policy of labour economics from a Canadian perspective. Topics include: How does EI affect the Canadian labour market? Do minimum wages reduce employment? What is economic discrimination and does it exist in Canada? How well do immigrants fare in the Canadian labour market?

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3
PREREQUISITE: ECON 2200.03 or ECON 2220.03, and ECON 2201.03

ECON 3317 Poverty and Inequality

CREDIT HOURS: 3

Why are some people poor, while others are rich? Why do some nations have more poverty or inequality than others? What can or should be done? This course examines the extent of poverty and inequality in contemporary societies, and the theories underlying alternative measures and explanations.

NOTES: Approved with Canadian Studies. The student is advised to take ECON 3315 before taking ECON 3317. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, and ECON 2201.03

ECON 3319 Industrial Organization

CREDIT HOURS: 3

The course provides an overview of the organization of production. Market structure, firm conduct, and performance affect each other in complex ways; the degree of horizontal and vertical integration affects the ability to set prices, for example. Governments regulate firms in order to reduce socially harmful anticompetitive behaviour.

NOTES: Approved with Canadian Studies. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or 2220.03

ECON 3326 Money and Banking

CREDIT HOURS: 3

The course concerns the nature and operation of the financial system, with particular reference to Canadian experience. It treats financial instruments (including money) and institutions and the social control of the supply of money and credit.

NOTES: Approved with Canadian Studies. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2201.03

ECON 3330 International Trade

CREDIT HOURS: 3

This course examines the theory and empirics of international trade, including standard historical trade theories, more recent theories, and evidence regarding these theories. The course investigate factor movements, the welfare effects of trade policies in both industrial and developing countries, and the institutions that have developed to regulate those policies.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03

ECON 3331 International Finance

CREDIT HOURS: 3

This course covers the theory and empirics of international macroeconomics. It examines the determination of exchange rates, international capital flows, and risk; the effectiveness of fiscal and monetary policy in an open economy; modern international policy coordination; and the determination of the current account and net foreign assets.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2201.03

ECON 3332 Resource Economics

CREDIT HOURS: 3

This course focuses on intertemporal economics and the economics of market failure as they pertain to the use of natural resources. A selection of resource sectors will also be discussed. Fisheries, agriculture, forestry, and energy represent possibilities, but this will vary from year to year.

NOTES: Approved with Canadian Studies. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, MATH 1000.03 or equivalent

ECON 3333 Theories of Economic Development

CREDIT HOURS: 3

This course surveys current applications of economic theory to the problem of economic development. Topics covered include recent advances in theory of economic growth, theories of poverty and inequality and their relation to economic performance, theories of fertility and population growth, and the microeconomics of peasant agriculture.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or 2220.03, ECON 2201.03

ECON 3335 Environmental Economics

CREDIT HOURS: 3

This course serves as an introduction to environmental economics. Topics include social decision making, externalities and public goods, regulatory approaches (standards, charges, tradable permits), forms of value derived from the environment and measurement techniques.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or 2220.03

ECON 3338 Econometrics I

CREDIT HOURS: 3

The theory of some quantitative methods commonly used by economists is discussed in the context of the classical linear model. Estimation problems caused by violations of the assumptions of the classical model are studied including heteroscedasticity and autocorrelation.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03 (or equivalent) and ECON 2280.03/MATH 2080.03/STAT 2080.03

ECON 3339 Econometrics II

CREDIT HOURS: 3

This course is an extension of ECON 3338.03 and covers a range of econometric methods that are used in economic research. The topics for this course include: Logit, Probit, Tobit, Distributed Lags, Panel Data, Simultaneous Equations and Time Series.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 3338.03

ECON 3344 Public Finance

CREDIT HOURS: 3

This course studies the economics of public expenditure, tax and transfer programs in a federal state such as Canada. The core issue addressed is when and how public policy can (or cannot) improve equity and efficiency.

NOTES: Approved with Canadian Studies. In addition to the prerequisites, the student is advised to take ECON 2201.03 before taking ECON 3344.03. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03

ECON 3345 Public Finance II

CREDIT HOURS: 3

This class studies the economics of taxes and transfers. Equity and efficiency effects of both are considered. Approved with Canadian Studies.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: ECON 2200.03, or ECON 2210.03 and ECON 2201.03

ECON 3349 History of Economic Thought

CREDIT HOURS: 3

This course will examine theories of value, production, distribution, and growth as developed in classical political economy and neoclassical economics. Theories of equilibrium and stability, the links between classical political economy and macroeconomic theory, and reactions to classical and neoclassical economics will be considered as time permits.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 2201.03

ECON 3350 Social Cost Benefit Analysis

CREDIT HOURS: 3

Social cost benefit analysis is used to evaluate public projects and private sector regulations. It is similar to the revenue cost accounting used by firms but takes into account external costs and benefits such as environmental damages. This course explains the methodology in the context of case studies after which students apply the method to evaluate a public policy problem.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or 2220.03

ECON 3360 Ethics, Justice, and Economics

CREDIT HOURS: 3

Assumptions of Neoclassical economic theory are critically examined, with a focus on the ethical and distributional consequences of using markets as an allocation mechanism. We discuss the major conceptions of economic justice, including utilitarianism and social choice theory, Rawlsian egalitarianism, Nozickian libertarianism, Sen's capabilities approach, and equality of opportunity.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03, ECON 2201.03

CROSS-LISTING: PHIL 3361.03

ECON 3500 Public Economics

CREDIT HOURS: 3

Analyzes the role of government in problems of resource allocation due to market failure. Concentrates on theories of public goods, collective choice, potential of conflict and cooperation in individually-motivated actions, incentive structures capable of realizing rational, cooperative, group outcomes. Provides theoretical underpinnings of many applied fields. Involves mathematical methods.

NOTES: While a background of ECON 3700 is helpful, it is not a prerequisite. All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, MATH 1000.03 or instructor permission

ECON 3600 Strategic Behaviour in Economics

CREDIT HOURS: 3

Many economic questions (such as price competition, tax policy, research and development decision, bargaining) can be interpreted as games, in which each player's action affects payoffs of other players. The students learn how to recognize various strategic interactions in economics, and how to evaluate the outcomes of such interactions.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

PREREQUISITE: ECON 2200.03 or ECON 2220.03, MATH 1000.03 or equivalent

ECON 3700 Mathematics for Economists

CREDIT HOURS: 3

This course presents mathematical methods used in modern economics. The lectures concentrate on the basic concepts of analysis, comparative statics and optimization theory. Topics include an introduction to set theory and matrix algebra, the implicit function theorem, unconstrained optimization, constrained optimization with equality and inequality constraints, and intertemporal choice.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 2201.03, MATH 1000.03 or permission of the instructor

CROSS-LISTING: MATH 3700.03

ECON 3800 Financial Economics

CREDIT HOURS: 3

This course is an introduction to decision making by investors under uncertainty, portfolio theory, asset pricing, financial markets, and instruments. The course covers both the theoretical and practical aspects of investment, surveys the techniques available for economists, and emphasizes "hands-on" learning using Canadian and international case studies.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 2201.03

CROSS-LISTING: MATH 3800.03

ECON 3900 Financial Mathematics

CREDIT HOURS: 3

See course description for MATH 3900.03 in the Mathematics section of this calendar.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: MATH 2060.03 and (MATH 2120.03 or MATH 3110.03) or instructor's permission

CROSS-LISTING: MATH 3900.03

ECON 4002X/Y Experiential Learning (in Economics)

CREDIT HOURS: 3

Experiential learning recognized the learning experience relevant to the program outside the scheduled curriculum. Students are responsible for drafting a learning agreement with the course coordinator and supervisor to specify learning outcomes, activities designed to accomplish these outcomes, a quantifiable assessment strategy and timetable.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: ECON 1101.03, ECON 1102.03, ECON 2200.03 or ECON 2220.03, ECON 2201.03, ECON 3338.03, ECON 3339.03. To be eligible, students should have a minimum average GPA of 3.0 in Economics.

EXCLUSIONS: Scheduled classes at a learning institution, study that would qualify for co-op work terms and paid work. Only one experiential learning class per degree is permitted.

ECON 4200X/Y Honours Thesis

CREDIT HOURS: 6

This course is required for honours students, and helps students define, research, and write an original research project under the supervision of an economics faculty member. Students develop a topic, critique current literature, run statistical tests, and present their results in a public conference. Attendance at weekly department seminars is mandatory.

NOTES: To be given permission to take the Honours Thesis course, students should have completed the Dalhousie writing requirement, with a grade of B or higher in at least one Dalhousie writing course.

FORMAT: Seminar

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 2201.03, ECON 3338.03, ECON 3339.03 and permission of instructor

ECON 4420 Microeconomic Theory

CREDIT HOURS: 3

In-depth study of outcomes of decision-making by agents, individually, collectively or as an interdependent system. Selects topics from: linear and non-linear optimization and applications to theory of consumers and firms, general equilibrium, game theory, alternative solution concepts, comparative statics, stability, welfare, market failures, collective choice, intertemporal economics, uncertainty.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2200.03 or ECON 2220.03, ECON 3700.03, MATH 1000.03 (or equivalent), MATH 1010.03

ECON 4421 Macroeconomic Theory

CREDIT HOURS: 3

Students are introduced to contemporary issues in macroeconomics including aggregate growth accounting; neoclassical growth models; monetary policy, inflation and unemployment; theories of consumption and investment; and trade and exchange rates. Mathematical methods are applied extensively and their application to economic problems will be stressed at both the theoretical and intuitive levels.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2201.03, ECON 3700.03, MATH 1000.03 (or equivalent), MATH 1010.03

ECON 4426 Monetary Policy

CREDIT HOURS: 3

Assuming a basic knowledge of monetary institutions and macroeconomics, a critical analysis of the objectives and effectiveness of monetary policy is developed.

Particular attention is given to the Canadian experience and the effectiveness of Canadian policy. Approved with Canadian Studies.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ECON 2201.03 and ECON 3326.03

ECON 4440 Time Series in Economics

CREDIT HOURS: 3

This is a course in econometrics that focuses on time series models. The topics cover estimation and inference procedures for univariate and multivariate time series models with stationary and nonstationary data, including various vector autoregressive models, Markov switching models, and fractionally integrated processes.

PREREQUISITE: ECON 3338.03 (grade of C or higher), ECON 3339.03 (grade of B or higher)

ECON 4700 Advanced Mathematics for Economists

CREDIT HOURS: 3

The course emphasizes abstract analytical methods via a selection of topics in mathematics which prepares the advanced undergraduate student for pursuing graduate studies in economics. Topics include elements of mathematical logic, sets and correspondence, vector spaces, metric spaces, topological concepts, fundamentals of analysis, multivariate calculus, fixed point theorems, dynamic optimization.

NOTES: All Economics courses, unless stated otherwise, have a minimum grade requirement of C for their prerequisite courses.

PREREQUISITE: ECON 3700.03

ECON 8891 Co-op Work-Term I

CREDIT HOURS: 0

ECON 8892 Co-op Work-Term II

CREDIT HOURS: 0

ECON 8893 Co-op Work-Term III

CREDIT HOURS: 0

Environmental Science

Location:

Building/Room: Life Sciences Centre

Street Address 1: 1355 Oxford Street

Street Address 2: Room 822

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-7117

Fax: (902) 494-1123

Website: www.dal.ca/environmentalscience

Email Address: Environment@Dal.Ca

Introduction

Environmental Science in the Faculty of Science offers several programs. These include a BSc Honours/Major in Environmental Science, a Minor in Environmental Science, a Double Major in Environmental Science and Community Design, and a BSc or BA Double Major or Combined Honours in Environmental Science and any Major/Honours subject in the Faculty of Science, Faculty of Arts and Social Sciences (FASS) or with the College of Sustainability. The Faculty of Arts and Social Sciences (FASS), the Faculty of Science, the Faculty of Computer Science and the Faculty of Architecture and Planning also offer a Minor in Environmental Studies which is administered through Environmental Science.

Environmental Science applies the findings and principles from multiple disciplines to environmental questions and problems. Environmental Science, by nature, is multidisciplinary and interdisciplinary. Most environmental scientists develop expertise in a particular discipline, and work co-operatively with specialists in other disciplines to solve environmental problems. They work in a variety of institutions in both the public and private sectors: municipal, provincial and federal government departments, consulting and engineering companies, development aid organizations in the non-governmental sector and activist community organizations. In all of these institutions they must integrate their scientific knowledge into the prevailing political, economic and legal systems.

The courses required for the BSc Environmental Science stress the links among the fields of study that the students acquire. Thus, students graduate with a combination of depth and breadth of knowledge and the ability to solve problems in the real world.

Degree Programs

The Faculty of Science offers the following degree programs in Environmental Science

- BSc (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- Minor in Environmental Science
- Minor in Environmental Studies

* BSc Co-op option available

* May be combined with Minor programs from other disciplines

Program Requirements can be seen by following the links to the right. In addition to the program requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with the Environmental Science undergraduate academic advisor.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Director

Gibling, M., PhD (Univ of Ottawa) (902 494-2355 martin.gibling@dal.ca)

Faculty

Gass, S., PhD (Open University, UK) (902 494-4530 susan.gass@dal.ca)

Mushkat, P., LLB (Dalhousie) (902 494-8056 pwm@dal.ca) Co-op Academic Advisor

Rainham, D., PhD (Univ of Ottawa) (902 494-1286 daniel.rainham@dal.ca)

Sterling, S., PhD (Duke Univ) (902 494-7741 shannon.sterling@dal.ca) Major appointment in Earth Sciences

Wright, T., PhD (Univ of Alberta) (902 494-3683 tarah.wright@dal.ca)

Undergraduate Advisor

Gass, S.

Administrative Assistant

Hall, D. (902 494-7117 dhall@dal.ca)

Supporting Faculty

Environmental Science draws on faculty from the departments below:

Biology
Chemical Engineering
Chemistry
Earth Sciences
Economics
Environmental Engineering
International Development Studies
Mathematics
Oceanography
Philosophy
Physics and Atmospheric Science
Political Science
School for Resource and Environmental Studies
School of Planning
Sociology and Social Anthropology
Statistics

Note: This field is rapidly expanding. Students interested in these types of programs should ask about courses related to the environment, other than those listed on the following pages, through the departmental contacts noted above.

BSc (120 credit hour) Concentrated Honours in Environmental Science

Students who want a challenging program resulting in a broad background in Environmental Science, including an independent research experience may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Environmental Science or Environmental Science Equivalent Courses (see the Academic Advisor or online at www.dal.ca/environmentalscience for a list of ENVS Equivalent Courses) with a minimum GPA of 3.0, and each ENVS and ENVS Equivalent Course above the 1000-level must be passed with a grade of "C" or better. Honours students write a research-based Honours thesis and the Honours Qualifying Examination requirement is satisfied through completion of ENVS 4901.03 and ENVS 4902.03.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Environmental Science. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Environmental Science should consult with the Environmental Science Advisor early in their studies. To be admitted, students must have a cumulative GPA of 3.5 in the first two years of study. More information on applying to the Environmental Science Honours program can be found at www.dal.ca/environmentalscience.

Program Requirements

In addition to fulfilling the requirements outline in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc Concentrated Honours program in Environmental Science must complete the following:

1. 1000 level courses (below)
2. Common Core courses (Honours) (below)
3. ENVS 4901.03 and ENVS 4902.03 (Honours thesis and Qualifying Exam)
4. An additional 12 credit hours of ENVS or ENVS-equivalent courses at or above the 2000 level

1000 Level

- Integrated Science - SCIE 1505.18

OR

- BIOL 1010.03 or BIOL 1020.03
- MATH 1000.03 or MATH 1215.03
- STAT 1060.03
- CHEM 1011.03
- CHEM 1012.03
- EARTH 1080.03
- ENVS 1100.06 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)

Students are encouraged to take three credit hours of their Language and Humanities requirement and/or their writing requirement in their first year.

The courses listed above should be taken in the first year, if possible, if ENVS 1100.03 and ENVS 1200.03 are not taken in the first year, it should be taken in the second year.

Also required but usually taken in the second year.

- ECON 1101.03* or ECON 1102.03*

Common Core Courses

Completed at various times over a four year degree program, the Common Core Courses introduce students to the scope and magnitude of Environmental Science and are designed to provide students with an appreciation of the scientific, historic, legal and social aspects of environmental issues.

- STAT 2080.03*
- BIOL 2060.03
- PHIL 2480.03**
- PHYC 2310.03
- ENVS 2000.03
- ENVS 2100.03
- ENVS 3001.03
- ENVS 3200.03
- ENVS 3500.03
- ENVS 3501.03
- ENVS 3502.03
- ENVS 3601.03
- ENVS 4001.03

*STAT 2080.03 and ECON 1101.03 or ECON 1102.03 together satisfy the College of Arts and Science requirement for six credit hours in social science.

**PHIL 2480.03 satisfies half of the College of Arts and Science requirement for six credit hours in Language and Humanities.

BSc or BA (120 credit hour) Combined Honours in Environmental Science and another subject

Students who wish to study Environmental Science in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Environmental Science may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Environmental Science, this requirement is satisfied through ENVS 4901.03 and ENVS 4902.03.

A Co-op option is available for students enrolled in BSc Combined Honours with Environmental Science as the primary subject. See Co-operative Education Program.

Program Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc or BA Combined Honours program in Environmental Science and another subject must complete the following (BSc requirements are listed first followed by those for a BA):

BSc Combined Honours in Environmental Science and another subject

ENVS as primary or secondary subject

1000 Level (to be taken in first year, if possible)

- Integrated Science - SCIE 1505.18

OR

- MATH 1000.03 or MATH 1215.03
- STAT 1060.03
- CHEM 1011.03
- CHEM 1012.03
- ENVS 1100.03 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)

Students are encouraged to take three credit hours of their Language and Humanities requirement and/or their writing requirement in their first year.

Also required but normally taken in the second year:

- ECON 1101.03 or ECON 1102.03

Common Core Courses as listed for BSc Concentrated Honours except:

- PHYC 2310.03 not required
- Choice of ENVS 2000.03 or ENVS 3001.03

If ENVS is the primary subject: a minimum of six additional credit hours of ENVS or ENVS-equivalent courses, which may be ENVS 4901.03/ENVS 4902.03 (Honours Thesis and Qualifying Exam).

If ESS (Environment, Sustainability and Society) is the primary subject, ENVS 3502.03 is waived and should be replaced with another ENVS course at or above the 3000 level.

BA Combined Honours in Environmental Science and another subject

Requirements are the same for ENVS as primary or secondary subject. Students must complete the following:

1000 Level

- ENVS 1100.03 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)
- Six credit hours in a single first-year science subject chosen from BIOL, CHEM, PHYC, EARTH, ECON
- STAT 1060.03

2000 Level

- ENVS 2000.03
- ENVS 2100.03
- Six credit hours chosen from:
 - BIOL 2003.03
 - BIOL 2004.03
 - BIOL 2060.03
 - GEOG 2800.03
 - CHEM 2505.03
 - OCEA 2000.06
 - ECON 2216.03
 - EARTH 2410.03

- PHYC 2310.03
- PHIL 2480.03

3000 and 4000 Level

- ENVS 3200.03
- ENVS 3501.03
- ENVS 3502.03*
- ENVS 4001.03
- At least six additional credit hours from:
 - Any ENVS course
 - BIOL 3060.03
 - BIOL 3061.03
 - BIOL 4160.03

If ENVS is the primary subject, a minimum of six additional credit hours of ENVS or ENVS equivalent courses, which may be ENVS 4901.03, ENVS 4902.03 (Honours Thesis and Qualifying Exam).

*If ESS is the primary subject, ENVS 3502.03 is waived and should be replaced with another ENVS course at or above the 3000 level.

BSc (120 credit hour) Major in Environmental Science

The 120 credit hour Major is suited to students who want to focus on Environmental Science, but wish to have a program that is somewhat less constrained than the Honours program. Environmental Science Majors complete 36 credit hours in Environmental Science courses. Research and other experiential learning opportunities are available through laboratories, field, special topics and internship courses.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Environmental Science. See Co-operative Education Program.

Program requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc Major program in Environmental Science must complete the 1000 level courses (listed below) and the Common Core courses - Majors (also listed below).

1000 Level Courses (to be taken in first year, if possible)

- Integrated Science – 1505.18

Or

- BIOL 1010.03 or BIOL 1020.03
- MATH 1000.03 or MATH 1215.03
- STAT 1060.03
- CHEM 1011.03
- CHEM 1012.03
- EARTH 1080.03
- ENVS 1100.03 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)

Students are encouraged to take three credit hours of their Language and Humanities requirement in their first year.

Also required but usually taken in the second year:

- ECON 1101.03 or ECON 1102.03*

Common Core Courses - Majors

To be completed over the course of a four year degree program: Common Core Courses introduce students to the scope and magnitude of Environmental Science and

are designed to provide students with an appreciation of the scientific, historic, legal and social aspects of environmental issues.

- STAT 2080.03*
- BIOL 2060.03
- PHIL 2480.03**
- PHYC 2310.03
- ENVS 2000.03
- ENVS 2100.03
- ENVS 3001.03
- ENVS 3200.03
- ENVS 3500.03
- ENVS 3501.03
- ENVS 3502.03
- ENVS 3601.03
- ENVS 4001.03

*STAT 2080.03 and ECON 1101.03 or ECON 1102.03 together satisfy the College of Arts and Science requirement for six credit hours in Social Science.

**PHIL 2480.03 satisfies half of the College of Arts and Science requirement for six credit hours in Languages and Humanities.

BSc Double Major in Environmental Science and Community Design

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc Double Major program in Environmental Science and Community Design must complete the following:

1000 Level

- Integrated Science - SCIE 1505.18
- ECON 1101.03 or ECON 1102.03
- PLAN 1001.03 and PLAN 1002.03

OR

- BIOL 1010.03 and BIOL 1011.03 or BIOL 1020.03 and BIOL 1021.03
- MATH 1000.03 or MATH 1215.03
- STAT 1060.03
- EARTH 1030.03
- ECON 1101.03 or ECON 1102.03
- PLAN 1001.03 and PLAN 1002.03

Common Core Courses - as listed for BSc Major, except:

- PHYC 2310.03 not required
- Choice of ENVS 2000.03 or ENVS 3001.03

Community Design Courses

- PLAN 2001.03
- PLAN 2002.03
- PLAN 2005.03
- PLAN 3001.03
- PLAN 3002.03
- PLAN 3005.03
- PLAN 3006.03
- An additional three credit hours in PLAN

BSc or BA (120 credit hour) Double Major in Environmental Science and another subject

The Double Major degree program allows students to combine a study of Environmental Science with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, the College of Sustainability or Community Design in the Faculty of Architecture and Planning. Environmental Science may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

Students enrolled in a Double Major program must have their program of study approved by advisors in both subject areas.

A Co-op option is available for students enrolled in BSc Double Major with Environmental Science as the primary subject. See Co-operative Education Program.

Program Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc or BA Double Major program in Environmental Science and another subject must complete the following (BSc requirements are listed first followed by those for a BA):

BSc Double Major, ENVS as primary or secondary subject

Students must complete the following:

1000 Level (to be taken the first year, if possible)

- Integrated Science - SCIE 1505.18

OR

- MATH 1000.03 or MATH 1215.03
- STAT 1060.03
- CHEM 1011.03
- CHEM 1012.03
- ENVS 1100.03 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)

Students are encouraged to take three credit hours of their Language and Humanities requirement in their first year.

Also required but usually taken in the second year:

- ECON 1101.03 or ECON 1102.03*

Common Core Courses as listed for BSc Major except:

- PHYC 2310.03 is not required
- Choice of ENVS 2000.03 or ENVS 3001.03

BA Double Major, ENVS as primary or secondary subject

1000 Level

- ENVS 1100.03 (grade of B or higher)
- ENVS 1200.03 (grade of B or higher)
- Six credit hours in a first year science subject chosen from BIOL, CHEM, PHYC, EARTH, ECON
- STAT 1060.03

2000 Level

- ENVS 2000.03
- ENVS 2100.03
- Six credit hours chosen from:
 - BIOL 2003.03
 - BIOL 2004.03
 - BIOL 2060.03
 - GEOG 2800.03
 - CHEM 2505.03
 - OCEA 2000.06
 - ECON 2216.03
 - EARTH 2410.03
 - PHYC 2310.03
 - PHIL 2480.03

3000 and 4000 Level

- ENVS 3200.03
- ENVS 3501.03
- ENVS 3502.03*
- ENVS 4001.03
- At least six additional credit hours from:
 - Any additional ENVS courses
 - BIOL 3060.03
 - BIOL 3061.03
 - BIOL 4160.03

*If ESS is the A subject ENVS 3502.03 is waived, and should be replaced with another ENVS course at or above the 3000 level.

Minor in Environmental Science

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- Between 18 and 36 credit hours in Environmental Science (ENVS) courses at the 2000 level or higher

Minor in Environmental Science - Agriculture

This minor is also available to **Bachelor of Science (Agriculture)** students.

15 credit hours including:

- ENVA 2000.03: Environmental Studies I or APSC 1012: Introduction to Bioresource Science
- ENVA 2001.03: Environmental Studies II

Nine credit hours are required from the following approved courses:

- APSC 4005.03
- BIOA 3001.03
- CHMA 3009.03; CHMA 3010.03
- ENVA 2002.03; ENVA 3000.03; ENVA 3002.03; ENVA 3004.03; ENVA 3021.03; ENVA 4000.03; ENVA 4002.03; ENVA 4005.03; ENVA 4006.03
- HORT 3000.03
- MCRA 2000.03; MCRA 4000.03
- SOIL 2000.03; SOIL 3001.03; SOIL 4000.03

Students may not select courses which are required for their major.

Minor in Environmental Studies

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

BA Minor

BA students must take 12 credit hours of required courses and 18 elective credit hours from the list of approved courses below. The following rules apply to the selection of courses for the Minor:

- A maximum of three credit hours in the Major subject (i.e., a course beyond those required for the Major) can count instead toward the Minor.
- At least six credit hours from the Approved Electives list must be in FASS courses and at least six credit hours must be from Science Approved Electives courses.
- In addition to ENVS 3200.03, at least nine credit hours must be at the 3000 level or above.

Required Courses:

- ENVS 1000X/Y.06: Introduction to Environmental Science or ENVS 1100.03: Foundations of Environmental Science and ENVS 1200.03: Current Issues in Environmental Science
- PHIL 2480.03: Environmental Ethics
- ENVS 3200.03: Introduction to Environmental Law

BA Approved Electives in Environmental Studies:

Additions to the following lists will be made, as relevant courses become available.

Faculty of Science:

- BIOL 2060.03: Introductory Ecology
- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 2605.03: Introduction to Marine Life in Nova Scotia
- BIOL 3060.03: Environmental Ecology
- BIOL 3061.03: Communities and Ecosystems
- BIOL 3225.03: Plants in the human landscape
- BIOL 3226.03: Economic Botany, Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 3615.03: Methods in Ecology
- BIOL 4065.03: Sustainability and Global Change
- CHEM 2505.03: Environmental Chemistry
- ECON 2336.03: Regional Development
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- EARTH 2410.03: Environmental and Resource Geology I
- EARTH 3500.03: Geoscience Information Management
- GEOG 2800.03: Climate Change
- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- PHYC 2451.03: Astronomy I: The Sky and Planets
- PHYC 2800.03: Climate Change
- ENVS 2001.03: Analytical Environmental Science and Social Responsibility
- ENVS 2100.03: Environmental Informatics
- ENVS 3000.03: Environmental Science Internship
- ENVS 3210.03: Environmental Law II: Natural Justice and Unnatural Acts
- ENVS 3220.03: International Environmental Law for Scientists
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3400.03: Human Health and Sustainability
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II: The Campus as a Living Laboratory

Faculty of Arts and Social Sciences (FASS):

- CTMP 3000.06: Science and Culture
- CTMP 3150.03: Nature and History
- CTMP 3210.03: Intersecting Bodies, Selves and Environments

- CTMP 3411.03: Studies in Contemporary Science and Technology
- EMSP 2310.03: Women and Gender in Early Modern Science
- EMSP 2330.03: Nature Imagined
- EMSP 3000.06: The Study of Nature in Early Modern Europe
- ENGL 4005.03: Green Reading: Nature, Culture, Canada
- ENGL 4400.03: Nature of America
- HSTC 3000.03: The Scientific Revolution
- HSTC 4000.06: Science and Nature in the Modern Period
- HSTC 4300.03: Nature and Romanticism
- HIST 3073.03: History of Marine Sciences
- HIST 3210/CANA 3020/GEOG 3020.03: Canadian Cultural Landscapes
- HIST 3302.03: Technology and History in North America
- HIST 3370.03: North American Landscapes
- HIST 3750.03: History of Seafaring
- HIST 4271.03: The Fisheries of Atlantic Canada - Society and Ecology in Historical Perspective
- HIST 4350.03: People and Things - Material Culture
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- INTD 3002.03: Seminar in Development: Development Practice
- INTD 3114.03: Environment and Development
- INTD 3304.03: Sustainable Development in Cuba
- INTD 4013.03: Environmental Conflict & Security
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2485.03: Technology and the Environment
- PHIL 3670.03: Philosophy of Science
- PHIL 4120.03: Theory of Rational Decision-Making
- POLI 3585.03: Politics of the Environment
- POLI 4228.03: Interest Groups
- POLI 4380.03: Politics of Climate Change
- SOSA 2100.06: Environment and Culture
- SOSA 3185.03: Issues in the Study of Indigenous Peoples of North America
- SOSA 3190.03: Social Movements
- SOSA 3220.03: Coastal Communities
- SOSA 4210.03: Tourism and Development
- SPAN 2070.03: Area Studies on Mexico and Central America
- GWST 3310.03: Gender and Development in Africa

Other Electives

- PLAN 2001.03: Landscape Analysis
- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3010.03: Urban Ecology
- PLAN 3020.03: Landscape Design
- PLAN 4106.03: Transportation Planning

BSc, BCSc, BInf, BComm, BMgmt Minor

Students in these programs must take 18 credit hours of required courses, plus 12 credit hours from the approved list of elective courses below. Note: In planning their programs students must take into account the prerequisites which apply to many of the elective courses listed below. The following rules apply to the selection of courses for the Minor:

- No course can fulfill a requirement of both the Major or Honours subject and the Minor.
- A maximum of three credit hours in the Major/Honours subject (i.e., a course beyond those required for the Major/Honours) can count toward the Minor.
- At least three credit hours beyond the required courses must be at the 3000 level or above.

Additions to the Electives list will be made as relevant courses become available.

Required Courses:

- ENVS 1000X/Y.06: Introduction to Environmental Science or ENVS 1100.03: Foundations of Environmental Science and ENVS 1200.03: Current Issues in Environmental Science
- PHIL 2480.03: Environmental Ethics

- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II
- ENVS 3200.03: Introduction to Environmental Law

Electives (12 credit hours from the list):

- BIOL 2601.03: The Flora of Nova Scotia
- BIOL 2605.03: Introduction the Marine Life of Nova Scotia
- BIOL 3063.03 Resource Ecology
- BIOL 3225.03: Plants in the Human Landscape
- BIOL 3226.03: Economic Botany, Plants and Civilization
- BIOL 3601.03: Nature Conservation
- BIOL 3xxx.03: Any ecology-related course at 3000-level or above
- BIOL 4065.03: Sustainability and Global Change
- BIOL 4104.03: Environmental Microbiology
- BIOL 4160.03: Political Ecology
- CHEM 2505.03: Environmental Chemistry I
- CHEM 4203.03: Environmental Chemistry II
- CHEM 4595.03: Atmospheric Chemistry
- CTMP 3210.03: Intersecting Bodies, Selves and Environment
- CTMP 3220.03: The Aesthetics of Nature
- EARTH 2203.03: Sediments and Sedimentary Rocks
- EARTH 2410.03: Environmental and Resource Geology I
- EARTH 3302.03: Quaternary Sedimentary Environments
- EARTH 3400.03: Fundamentals of Hydrogeology
- EARTH 3402.03: Practical Hydrogeology
- EARTH 3410.03: Environmental Geology 2
- EARTH 3420.03: Geochemistry of Aquatic Environments
- EARTH 3440.03: Geomorphology
- EARTH 3500.03: Geoscience Information Management
- EARTH 4450.03: Introduction to Landscape Simulation
- EARTH 4502.03: Micropaleontology and Global Change
- EARTH 4520.03: GIS Applications to Environmental and Geological Sciences
- EARTH 4530.03: Environmental Remote Sensing
- ECON 2210.03: Emerging Giants: the Economic Rise of China and India
- ECON 2216.03: Economics of Global Warming
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- ENVS 2100.03: Environmental Informatics
- ENVS 3000.03: Environmental Science Internship
- ENVS 4210.03: Administrative Environmental Law: Natural Justice and Unnatural Acts
- ENVS 3220.03: International Law for Environmental Scientists
- ENVS 3225.03: Plants in the Human Landscapes
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3301.03: Enterprise Sustainability
- ENVS 3400.03: Human Health and Sustainability
- ENVS 3500.03: Geoscience Information Management
- ENVS 3615.03: Methods in Ecology
- ENVS 3632.03: Applied Field Methods in Fish Ecology
- ENVS 3801.03: Directed Readings in Environmental Science
- ENVS 4001.03: Environmental Impact Assessment
- GEOG 2800.03: Climate Change
- HIST 3370.03: North American Landscapes
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- INTD 3304.03: Sustainable Development in Cuba
- MICI 4104.03: Environmental Microbiology
- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- OCEA 4110.03: Introduction to Geological Oceanography
- OCEA 4120.03: Introduction to Physical Oceanography
- OCEA 4130.03: Introduction to Chemical Oceanography
- OCEA 4140.03: Introduction to Biological Oceanography
- PHIL 2475.03: Justice in Global Perspective
- PHIL 2485.03: Technology and the Environment
- PHYC 2310.03: Energy and the Environment
- PHYC 2451.03: Astronomy I: The Sky and Planets
- PHYC 2800.03: Climate Change
- PLAN 2001.03: Landscape Analysis

- PLAN 3001.03: Landscape Ecology
- PLAN 3002.03: Reading the City
- PLAN 3005.03: Cities and the Environment in History
- PLAN 3010.03: Urban Ecology
- PLAN 3020.03: Landscape Design
- PLAN 4106.03: Transportation Planning
- POLI 3380.03: Politics of Climate Change
- POLI 3385.03: Politics of the Environment
- POLI 3589.03: Politics of the Sea I
- POLI 3590.03: Politics of the Sea II
- SOSA 2100.06: Environment and Culture
- SOSA 3211.03: Continuity and Change in Rural Society
- SOSA 3220.03: Coastal Communities in the North Atlantic

BCD Minor

The Minor in Environmental Studies is a five credit (30 credit hour) Minor taken in conjunction with the Bachelor of Community Design Honours (It is not available within the three year BCD program). The Minor in Environmental Studies provides a student with an appreciation of the scientific, cultural, economic, historic, legal and social aspects of environmental issues. The student will have the opportunity to earn an additional credential on the degree to recognize the special concentration of courses in environmental studies. Approval for the program is required from the School of Planning and from the Coordinator of Environmental Programs. Students complete all requirements for their Honours Major in addition to these required courses for the minor. Students may count the course ENVS 1000 towards both the BCD requirements and towards the requirement for the Minor. Other courses cannot be counted towards both sets of requirements.

Required Courses:

- ENVS 1000.06: Introduction to Environmental Studies (or DISP)
- PHIL 2480.03: Environmental Ethics
- ENVS 3200.03: Environmental Law
- ENVS 3501.03: Environmental Problem Solving I
- ENVS 3502.03: Environmental Problem Solving II

Elective requirements:

12 credit hours of courses from the following list:

- BIOL 2605.03: Introduction to Marine Life of Nova Scotia
- BIOL 3601.03: Nature Conservation
- CHEM 2505.03: Environmental Chemistry I
- CHEM 4203.03: Environmental Chemistry II
- ECON 2216.03: Economics of Global Warming
- ECON 2336.03: Regional Development
- ECON 3332.03: Resource Economics
- ECON 3335.03: Environmental Economics
- ENVS 3000.03: Environmental Science Internship
- ENVS 3200.03: Introduction to Environmental Law
- ENVS 3226.03: Economic Botany, Plants and Civilization
- ENVS 3300.03: Contaminated Site Management
- ENVS 3301.03: Enterprise Sustainability
- ENVS 3220.03: International Environmental Law for Scientists
- ENVS 3400.03: Environment and Human Health
- ENVS 3500.03: Exploring Geographic Information Systems
- ENVS 4001.03: Environmental Impact Assessment
- ESMP 2330.03: Nature Imagined
- ESMP 3000.06: The Study of Nature in Early Modern Europe
- EARTH 3302.03: Quaternary Sedimentary Deposits
- EARTH 3440/GEOG 3440: Geomorphology
- HIST 3370.03: North American Landscapes
- INTD 2001.03: Introduction to Development I
- INTD 2002.03: Introduction to Development II
- OCEA 2001.03: The Blue Planet I
- OCEA 2002.03: The Blue Planet II
- OCEA 2800.03: Climate Change
- OCEA 3001.03: Introduction to Physical Oceanography
- OCEA 3002.03: Introduction to Chemical Oceanography
- PHIL 2485.03: Technology and the Environment

- POLI 3385.03: Politics of the Environment
- POLI 3589.03: Politics of the Sea I
- SOSA 2100.06: Environment and Culture
- SOSA 3211.03: Continuity and Change in Rural Society
- SOSA 3220.03: Coastal Communities in the North Atlantic
- SOSA 4072.03: Naturalistic Approaches to the Social Sciences
- STAT 3345.03: Environmental Risk Assessment

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students Co-operative Education Program (Science Co-op) in Environmental Science

Co-op Academic Advisor: Peter Mushkat pwm@dal.ca

Science Co-op is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Environmental Science, or in Combined Honours or Double Major programs with Environmental Science as the primary subject. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Environmental Science Co-op Academic Advisor and from the Co-operative Education office http://www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Environmental Science, please see www.dal.ca/environment.

Minors available to students in Environmental Science

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Environmental Science may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Environmental Science, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements.

Certificates of particular interest to student enrolled in a BSc or BA in Environmental Science include:

- Certificate in Animal Behaviour
- Certificate in Environmental Impact Assessment
- Certificate in Geographic Information Science
- Certificate in Science Leadership and Communication

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to

students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

ENVS 1100 Foundations of Environmental Science: ecosphere, resources & sustainability

CREDIT HOURS: 3

This course introduces students to key topics in Environmental Science including science literacy, environmental ethics, principles of ecology, evolution, biodiversity, human population growth, soil, agriculture, forestry, and oceans and freshwater systems. Tutorials reinforce and supplement lectures and allow for small group discussion and debate.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: ENVI 1100.06, ENVS 1000.06

ENVS 1200 Current Environmental Challenges: Analysis and Solutions

CREDIT HOURS: 3

This course introduces current issues and challenges in Environmental Science including air pollution and climate change, non-renewable and renewable energy, waste, urbanization, environmental law, and sustainability and education. Tutorials reinforce and supplement lectures and allow for small group discussion and debate.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: ENVI 1100.06, ENVS 1000.06

ENVS 2000 Urban field School

CREDIT HOURS: 3

This field course offers an introduction to urban environmental science by examining the role of humans in ecosystems and how humans change ecosystem processes and functions within urban areas. Students gain hands-on experience in environmental science techniques during excursions in different urban settings within the Halifax Regional Municipality.

NOTES: Offered in early May. Daily field trips and/or labs. An auxiliary fee is charged to cover field expenses.

FORMAT: Lecture| Lab

PREREQUISITE: ENVS 1000.06 or SCIE 1505.18 or (ENVS 1100.03 and ENVS 1200.03) or equivalent and open only to students in the BSc or BA Environmental Science Programs

ENVS 2100 Environmental Informatics

CREDIT HOURS: 3

Environmental Informatics is the knowledge, skills and tools which enable information to be collected, managed and disseminated to support research in environmental science. Students develop skills for the analysis, evaluation and synthesis of knowledge in environmental science. Information systems, tools, and techniques are introduced and applied to current environmental challenges.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENVS 1000X/Y.06 (or ENVS 1100.03 and ENVS 1200.03) SCIE 1505.18 or equivalent

ENVS 2410 Environmental Issues in Earth Sciences

CREDIT HOURS: 3

Geology underlies many of the environmental problems facing humanity today. Topics include environmental aspects of energy and mineral resource, geologic hazards, geologic connections to pollution and waste disposal, and the role that water plays in its various guises. Canadian examples are incorporated where appropriate.

Approved with Canadian Studies.

NOTES: This course is not offered every year. Please consult department in the spring for further information.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: One of: EARTH 1080, EARTH/GEOG 1030, EARTH/GEOG 1060, ENVS 1000 (or ENVS 1100 and 1200), SUST 1001 with a grade of B or above, or DISP with Earth Sciences

CROSS-LISTING: CANA 2410, EARTH 2410

EXCLUSIONS: This class is not available for Earth Sciences Majors

ENVS 3000 Environmental Science Internship

CREDIT HOURS: 3

This course allows students to gain hands-on experience while addressing a question of personal and academic interest relevant to the field of environmental science by working as interns for 8 hours a week over a twelve-week period on a specific project at a sponsoring agency.

NOTES: It is the student's responsibility to consult with Environmental Program at least 3 weeks prior to the term in which the internship will take place to arrange for a placement and to make sure that the details of the internship are in accordance with university standards.

PREREQUISITE: Open ONLY to students in Minor in Environmental Studies, Honours/Major/Double Major/Combined Honours in Environmental Science

ENVS 3001 Environmental Science Field School

CREDIT HOURS: 3

Daily field trips introduce methods used in environmental science and environmental processes at diverse sites within Nova Scotia. Involves full-day trips from Halifax and a multi-day camping trip away from Halifax. Offered during the last 2 weeks before Labour Day.

PREREQUISITE: Open ONLY to students in BSc or BA Environmental Science

ENVS 3200 Introduction to Environmental Law

CREDIT HOURS: 3

This course will take a look at how environmental law operates in Nova Scotia within the Federal framework and it will illustrate some of the multi-disciplinary aspects which make this area of law part science, part art and part soothsaying.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Must be a third year student

ENVS 3225 Plants in the human landscape

CREDIT HOURS: 3

The use of plants for human recreation and aesthetic purposes in gardens, public parks, suburban and urban landscapes. Topics include: history of gardens, garden design, plant materials, edible landscaping, plants and human health. The course includes field trips and group work and students complete a design project.

FORMAT: Lecture| Tutorial

PREREQUISITE: BIOL 1010.03 or BIOL 1020.03 (C- or better) and BIOL 1011.03 or BIOL 1021.03 (C- or better) or DISP or PLAN 2001.03

CROSS-LISTING: PLAN 3225, BIOL 3225

ENVS 3226 Economic Botany, Plants and Civilization

CREDIT HOURS: 3

The story of the human use of plants for food, fibre and fuel including the botany, domestication, development, distribution, production, processing, history, economic and social impacts of the major world crops (cereals, fruits, vegetables, flowers and industrial crops) and the development of novel plant based bioproducts (bio-fuels, etc).

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 1010.03 or BIOL 1020.03 (B- or better) and BIOL 1011.03/BIOL 1021.03 (B- or better)

CROSS-LISTING: BIOL 3226.03

ENVS 3300 Contaminated Site Management

CREDIT HOURS: 3

Scientists, engineers and planners should have a basic understanding of the issues surrounding environmental site assessment given the potential environmental and socio-economic impacts. Topics include phased assessments, risk assessment, remediation and monitoring. Case studies, projects, guest speakers and field trips augment the class. Class offered in alternate years.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03/1012.03; EARTH 1010.03/1020.03; OR permission of the instructor

ENVS 3301 Enterprise Sustainability

CREDIT HOURS: 3

Integration of sustainability into corporate environment is reviewed from perspectives of practical application of pollution prevention (P2). Tools for data collection, communication, analysis, and presentation will be taught. Field trip(s) will provide practical experience and form foundation for major project. Guest speakers will supplement the course. Class offered in alternate years.

FORMAT: Lecture

COREQUISITE: ENVS 1000X/Y.06 or ENVS 2001.03 or ENVS 1100.03 and ENVS 1200.03

ENVS 3400 Environment and Human Health

CREDIT HOURS: 3

This course examines the relationships between the health of populations and health determinants in the context of environmental sustainability. Weekly laboratory exercises will teach students how geomatics (GIS, GPS, and remote sensing technologies) and epidemiological tools can be used to assess the links between the health of human populations and the health of the environment, and how to use these tools for environmental health research.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Must be a third year student or have permission of instructor

CROSS-LISTING: GEOG 3400.03

ENVS 3500 Geoscience Information Management

CREDIT HOURS: 3

See course description for EARTH 3500 in the Earth Sciences section of the calendar.

ENVS 3501 Environmental Problem Solving I

CREDIT HOURS: 3

This course introduces students to concepts and methods for analyzing environmental problems. Students will learn analytical approaches for problem solving that are appropriate for a wide range of environmental issues and apply these to the analysis of case studies.

PREREQUISITE: ENVS 1000.06 (with a grade of B or better) or ENVS 1100.03 AND ENVS 1200.03 (with a grade of B or better). Must be a 3rd year student OR have permission of instructor.

ENVS 3502 Environmental Problem Solving II: The Campus as a Living Laboratory

CREDIT HOURS: 3

In this course the campus serves as a living laboratory for identifying, evaluating and assessing indicators of progress toward greater campus sustainability. Working in

groups, students apply problem solving models to case studies using qualitative and quantitative research methods and make recommendations for improvements on campus based on their analyses.

PREREQUISITE: ENVS 3501.03 or permission of instructor

CROSS-LISTING: SUST 3502.03

EXCLUSIONS: MGMT 3701.03

ENVS 3601 Global Biogeochemical Cycles

CREDIT HOURS: 3

An interdisciplinary course that examines example global cycles of water, carbon, nitrogen, phosphorus, and sulphur, and human impacts on these cycles, as manifested in our atmospheric, soil, ocean and freshwater environments. This course involves discussion of the latest developments in this rapidly changing field and will provide a framework for those interested in global change.

PREREQUISITE: An introductory Chemistry class and one of ENVS 1000.06, SUST 1001.06, EARTH 1080.03, or EARTH 1090.03, or OCEA 2000.06, or OCEA 2001.03 and OCEA 2002.03

CROSS-LISTING: EARTH 3601.03

ENVS 3615 Methods in Ecology

CREDIT HOURS: 3

See course description for BIOL 3615 in the Biology section of the calendar.

ENVS 3623 Applied Coastal Ecology

CREDIT HOURS: 3

See course description for BIOL 3623 in the Biology section of the calendar.

ENVS 3624 Urban Freshwater Systems

CREDIT HOURS: 3

See course description for BIOL 3624 in the Biology section of the calendar.

ENVS 3632 Applied Field Methods in Fish Ecology

CREDIT HOURS: 3

See course description for BIOL 3632 in the Biology section of the calendar.

FORMAT: Lecture| Lab

ENVS 3633 Spatial Information and GIS in Ecology

CREDIT HOURS: 3

A hands-on approach to understanding and using spatial information, this course introduces students to Geographic Information Systems (GIS) as a tool to answer ecological questions. Together, students conduct a major field project, collecting data, creating maps using GIS, and interpreting spatial patterns, to address and applied problem in ecology.

NOTES: Offered in the summer through DEASIDE. an auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

PREREQUISITE: BIOL 2060.03

CROSS-LISTING: BIOL 3633.03, GEOG 3633.03

ENVS 3664 Intertidal Ecology and Diversity

CREDIT HOURS: 3

See course description for BIOL 3664 in the Biology section of the calendar.

ENVS 3701 Fundamentals of Hydrology

CREDIT HOURS: 3

This course is an introduction to hydrology, emphasizing surface processes and watershed responses. In this course we learn about both the pure and applied uses of hydrology. The course is quantitative and introduces hydrologic processes in the atmosphere, on the land surface, in groundwater and in stream channels.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03 or MATH 1214.03 and one of ENVS 1000.06, SUST 1001.06, EARTH 1080.03, or EARTH 1090.03 or one of SCIE 1515X/Y.21, SCIE 1530.27, SCIE 1540X/Y.33 and completion of 2 years of an undergraduate degree. PHYC 1280 and PHYC 1290.03 (or PHYC 1300X/Y.06) and MATH 1010.03 are recommended.

CROSS-LISTING: EARTH 3701.03

ENVS 3801 Directed Readings in Environmental Science

CREDIT HOURS: 3

This course is intended for third and fourth-year students who wish to study in an area of environmental science not covered in other courses offered at the university. It involves independent study supervised by a faculty member. Class content and marking scheme must be approved by the Director of Environmental Programs during the first week of the academic term in which the credit is being sought. It is the student's responsibility to consult with Environmental Programs at least 2 weeks prior to the term in which the Directed Readings course will take place.

PREREQUISITE: ENVS 1000X/Y.06 or ENVS 2001.03 or (ENVS 1100.03 and ENVS 1200.03) and third year student status.

ENVS 4001 Environmental Impact Assessment

CREDIT HOURS: 3

This course provides an opportunity to explore all aspects of environmental impact assessment (EIA) as practiced in Canada and in other countries. The course traces the development of EIA over the past 30 years and critically examines the scientific, procedural and political dimensions.

NOTES: All students taking BIOL 4001.03 or ENVS 4001.03 must have completed 90 credits and be in their fourth year of study or have permission of instructor.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: ENVS 1000X/Y.06 or BIOL 2060.03 or EARTH 2410.03 or GEOG 2100X/Y.06 or GEOG 2201.03 or GEOG 2202.03 or INTD 2001.03 or INTD 2002.03 or OCEA 2000X/Y.06 (or OCEA 2001.03 and OCEA 2002.03) or SUST 2000.06 or SUST 2001.06.

CROSS-LISTING: ENVE 4772.03 (winter session only), BIOL 4001.03

ENVS 4002 The Science of Wetland Ecosystems

CREDIT HOURS: 3

An interdisciplinary introduction to wetland ecosystems, with emphasis on the relationship between wetlands and the surrounding watershed. This relationship determines wetland type, function and in developed landscapes, wetland health. Inversely, wetland type, function and health can affect the developed landscapes. Students will gain an appreciation of the physical relationship through an examination of wetland hydrology, chemical cycling, and ecology. Management of wetlands in the landscape through policy and engineering will also be studied.

FORMAT: Lecture

PREREQUISITE: CHEM 1011.03/1012.03 or CHEM 1021.03/1022.03 and BIOL 2060.03

CROSS-LISTING: BIOL 4002.03

ENVS 4003 Coral Reefs and Environmental Change

CREDIT HOURS: 3

Coral reefs are iconic marine ecosystems both biologically and economically. This class introduces students to the biology of both tropical and cold-water corals, key characteristics of their abiotic environments, human impacts at both local and global scales, and management options for sustainable resource use and the protection of biodiversity.

PREREQUISITE: Chem 1011/Chem 1012 and Biol 2060. Also restricted to students with 6 credit hours in Environmental Science or Biology or Marine Biology at or above the 3000 level.

CROSS-LISTING: MARI 4003

RESTRICTIONS: Restricted to exclude E1, E2, E3.

ENVS 4210 Environmental Law: Natural Justice and Unnatural Acts

CREDIT HOURS: 3

Environmental Science in Canada is largely defined by statutes and regulations. The course will consider administrative processes, the role of legislation, the function of administrative boards and tribunals and the general principles of judicial review. Offered every odd winter term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: ENVS 3200.03 with a grade of A-

ENVS 4220 International Environmental Law for Scientists

CREDIT HOURS: 3

The problems posed by environmental issues are global requiring solutions that are only achievable through multi-lateral collaboration. Over 20 years, there has been an explosion of international agreements intended to either redress or avoid environmental disasters. Some of these are based on sound science, some on politics. How do these two elements mix at the international level? Can international law accommodate the inherent uncertainty in scientific hypotheses? Offered every even winter term.

FORMAT: Lecture| Seminar

PREREQUISITE: ENVS 3200.03 with a grade of A-

EXCLUSIONS: ENVS 3220.03

ENVS 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: EARTH 5420.03/GEOG 4520.03

PREREQUISITE: ENVS 3500.03/ERTH 3500.03/GEOG 3500.03 and permission of instructor

CROSS-LISTING: BIOL 4850.03, SCIE 4850.03, EARTH 4850.03, GEOG 4850.03

EXCLUSIONS: Restricted to 3rd and 4th year students.

ENVS 4901 Honours Thesis Part A

CREDIT HOURS: 3

Mastery of the basic skills of problem definition, proposal preparation and project implementation is the key to dealing with a wide range of "real-life" situations, both on and off the career path. Includes lectures and tutorials on proposal writing, research design and methodologies, and an independent environmental science research project carried out under the supervision of an approved faculty member. Required for Honours Environmental Science.

FORMAT: Lecture| Seminar

PREREQUISITE: Fourth year Environmental Science and permission of Instructor/Director

ENVS 4902 Honours Thesis Project Part B

CREDIT HOURS: 3

Independent research project carried out under the supervision of an approved faculty member or affiliated research scientists. Required for Honours Environmental Science.

PREREQUISITE: ENVS 4901.03

ENVS 4950 Advanced Topics in Environmental Science

CREDIT HOURS: 3

This course will address current interdisciplinary issues in environmental science with topics varying each semester. Details as to the content of the course will be announced by Environmental Programs at least one month in advance of the course offering. The course will be taught by Dalhousie faculty, and/or visiting scholars.

FORMAT: Lecture| Seminar

PREREQUISITE: This class is restricted to students in the Honours/Major/Double Major in Environmental Science, or permission of the Director of Environmental Programs.

Environment, Sustainability and Society

Location:

Building/Room: College of Sustainability

Street Address 1: 1459 LeMarchant Street

Street Address 2: Suite 1401

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-4581

Fax: (902) 494-8923

Website: www.ess.dal.ca

Email Address: sustainability@dal.ca

Degree Programs

The College of Sustainability offers a BSc Double Major, Combined Honours and Minor in Environment, Sustainability and Society with any major/honours subject in the Faculty of Science and the Faculty of Computer Science. For complete details about the College, its programs and courses please see the College of Sustainability.

Students in the ESS Program are eligible to pursue the following Certificates offered by the Faculty of Science:

- Certificate in Environmental Impact Assessment
- Certificate in Geographical Information Systems

BSc, Double Major/Combined Honours, Environment, Sustainability and Society

Environment, Sustainability and Society as Subject A

Subject A: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 (six credit hours in fall term)
- SUST 2001.06 (six credit hours in winter term)
- SUST 3000.03
- SUST 3502.03 or MGMT 3701.03
- SUST 4000X/Y.06

For Double Major:

- 18 credit hours SUST/ESS Electives (at least 12 credit hours outside subject B)

For Combined Honours:

- 12 credit hours SUST/ESS Electives (at least six credit hours outside Subject B)
- SUST 4900X/Y.06
- Cumulative GPA in Honours subject courses above 1000 level of 3.3, with no individual grade less than C

Subject B: Any Major/Honours subject in the Faculty of Science

For detailed requirements please consult the calendar and academic advisor for your allied subject.

Environment, Sustainability and Society as Subject B

Subject A: Any Major/Honours subject in the Faculty of Science or the Faculty of Computer Science

For detailed requirements please consult the calendar and academic advisor for your allied subject.

Additional requirements for Combined Honours: Must comply with Honours requirements for Subject A.

Subject B: Environment, Sustainability and Society

- SUST 1000.06 (six credit hours in fall term)
- SUST 1001.06 (six credit hours in winter term)
- SUST 2000.06 or SUST 2001.06
- six additional credit hours in SUST at the 2000 level or above
- 18 credit hours SUST/ESS elective (at least 12 credit hours outside subject A)
- at least 12 credit hours must be at the 3000 level or above

Minor in Environment, Sustainability and Society

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

- a minimum of 18 credit hours and a maximum of 27 credit hours at the 2000 level or above in SUST courses.
- Prerequisites: SUST 1000.06 and SUST 1001.06

Food Science

Minor in Food Science

This minor is available to students registered in a 120 credit hour Bachelor of Science program.

Requirements

The requirements are as for the appropriate program with the completion of the following courses to fulfill the Food Science Minor:

- FOSC 1000.03: Concepts in Food Science
- 24 credit hours from the following list:
 - ANSC 2004.03: Organic Livestock Production
 - BIOL 3226.03: Plants and Civilization
 - CPST 1103.03/CPST 1203.03: Technical Communications
 - CPST 3030.03: Engineering in Society II
 - ENVE 4342.03: Industrial Biotechnology
 - FOSC 2010.03: Food Commodities
 - FOSC 3010.03: Food Chemistry
 - FOSC 3020.03: Food Analysis
 - FOSC 3030.03: Food Quality Assurance
 - FOSC 3080.03: Food Microbiology
 - FOSC 4020.03: Chemistry - Fats, Oils, Lipids
 - FOSC 4030.03: Food Product Development
 - FOSC 4070.03: Food Processing
 - FOSC 4081.03: Brewing Science
 - FOSC 4091.03: Food Safety and Biotechnology
 - FOSC 4500.03: Seminar in Food Science
 - FOSC 4250.03: Food Product Development Project
 - HPRO 2250.03: Interdisciplinary Class in Human Nutrition
- Other electives as approved by the Food Science Coordinator

Geography

Note: There is no Geography program at Dalhousie; however, several courses taught in various departments are commonly recognized as Geography courses. Only courses which are cross-listed in Science departments may be used to meet the life or physical science subject requirement for the BA degree.

Staff

Deans

Macy, C., BA (Arch) (Calif. At Berkeley), MArch (MIT)

Moore, C., BA (Hons), PhD (Cambridge) Professor, Psychology

Summerby-Murray, R., ATCL Dip (Trinity College, London), BA, MA (Canterbury), PhD (Toronto)

Geography Coordinators

Architecture and Planning: **Manuel, P.**, BA (Carleton), MSc (McGill), PhD (Dalhousie), MCIP, LPP (patricia.manuel@dal.ca)

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Science: **Ryan, A. M.**, BSc (Univ College Dublin), MSc, BEd (Acadia), MEd (MSVU), PhD (Dalhousie) (amryan@dal.ca)

Minor in Geography

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Community Design (Hons), Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

To fulfill the requirements for a Minor in Geography, students must complete 24 credit hours, including the following:

- GEOG 1030.03/ERTH 1030.03: Introduction to Physical Geography
- GEOG 1035.03: Introduction to Human Geography
- GEOG 2000.03: Cartography

Additional 15 credit hours from the following list: at least 6 of which must be at the 3000 level or higher.

- GEOG 2001.03/PLAN 2001.03: Landscape analysis
- GEOG 2006.03/PLAN 2006.03: Space, Place, and Geographic Information Systems
- GEOG 2070.03/PLAN 2070.03: Area Studies on Mexico and Central America
- GEOG 2100X/Y.06.SOSA 2100.06: Environment and Culture
- GEOG 2201.03/INTD 2001.03: Introduction to Development
- GEOG 2202.03/INTD 2002.03: Introduction to Development II
- GEOG 2206.03/INTD 2106.03: Africa: An Introduction
- GEOG 2336.03/ECON 2336.03: Regional Development
- GEOG 2800.03/PHYC 2800.03: Climate Change
- GEOG 3001.03/PLAN 3001.03: Landscape Ecology
- GEOG 3002.03/PLAN 3002.03: Reading the City
- GEOG 3005.03/PLAN 3005.03: Cities and the Environment
- GEOG 3006.03/PLAN 3006.03: Reading the Landscape
- GEOG 3110.03/INTD 3110.03: Migration and Development
- GEOG 3114.03/INTD 3114.03: Environment and Development
- GEOG 3165.03/SOSA 3165.03: Peoples and Cultures of the World: Selected Area Studies
- GEOG 3210.03/HIST 3210.03/CANA 3020.03: Canadian Cultural Landscapes
- GEOG 3220.03/SOSA 3220.03: Coastal Communities in the North Atlantic
- GEOG 3284.03/SOSA 3284.03: Living in cities
- GEOG 3370.03/HIST 3370.03: North American Landscapes
- GEOG 3400.03/ENVS 3400.03: Human Health and Sustainability
- GEOG 3440.03/ERTH 3440.03: Geomorphology
- GEOG 3500.03/ERTH 3500.03/ENVS 3500.03/ERTH 5600.03: Exploring Geographic Information Systems
- GEOG 3633.03/ENVS 3633.03/BIOL 3633.03: Spatial Information and GIS in Ecology
- GEOG 4440.03/ERTH 4440.03: Geomorphology and Landscape Evolution
- GEOG 4450.03/ERTH 4450.03: Introduction to Landscape Simulation
- GEOG 4520.03/ERTH 4520.03: GIS Applications to Environmental and Geological Sciences
- GEOG 4530.03/ERTH 4530.03: Environmental Remote Sensing

NOTE: Students in the BCD program may not select PLAN cross-listed courses that are required courses for their degree program

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

GEOG 1030 Introduction to Physical Geography

CREDIT HOURS: 3

This non-lab science course examines the nature of weather and climate, earth's surface features and processes, and internal processes that contribute to landform development. An integral component of the course is an exploration of the representation and interpretation of physical geographic data through the examination of a variety of maps.

NOTES: There are no pre-requisites for this course and students may take this class in addition to any other first year Earth Sciences class.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: EARTH 1030.03

GEOG 1035 Introduction to Human Geography

CREDIT HOURS: 3

Human geography examines the ways that people perceive, use, and alter the landscapes they occupy. This course considers aspects of culture that characterize different social groups, as well as the systems of production, livelihood, spatial organization, and administration that societies erect. The class introduces the principal tools of human geographers: maps, demography, and analysis of cultural patterns.

NOTES: This class cannot be used to meet the life or physical science subject requirement for the BA degree.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

GEOG 1060 Earthquakes, Volcanoes and Natural Disasters

CREDIT HOURS: 3

Earthquakes, meteorite impacts, rapid climate change, volcanic eruptions, hurricanes, landslides, solar flares, and floods are natural disasters that affect our economy, public policy, and safety. Where, why and how frequently do natural disasters occur? Are predictions possible? Are media portrayals of risk and damage realistic? This course, aimed at the nonspecialist, investigates these intriguing questions. Excerpts of "disaster films", in conjunction with lectures and discussions are used to identify the causes, consequences and sometimes erroneous perceptions of natural hazards. Examples from Atlantic Canada and contemporary disasters are used to assess local risk and real-time events worldwide.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: EARTH 1060.03

GEOG 2000 Cartography

CREDIT HOURS: 3

Maps, are essential aids to disciplines that span archaeology to zoology. Navigation is the art and science of finding one's way through both natural and built landscapes. This class investigates how maps are constructed and interpreted, how maps can distort perceptions, and can influence one's decisions.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH/GEOG 1030, or EARTH 1080

GEOG 2001 Landscape Analysis

CREDIT HOURS: 3

Designers and planners need to understand the influence of physical, biological, and cultural systems in landscape evolution, and the relevance of that information in analyzing land capability. Students develop inventory and analysis tools for understanding environmental processes and their implications for design and planning. There will be field trips and a lab component.

FORMAT: Lecture| Lab

PREREQUISITE: EARTH 1030.03

CROSS-LISTING: PLAN 2001.03

GEOG 2006 Space, Place and Geographic Information Systems

CREDIT HOURS: 3

Planners use Geographical Information systems (GIS) for data collection, coordination, and analysis. Properly interpreted, GIS data contribute to informed decision-making. This course explores the application of GIS in planning within a project-centred setting. Students learn to use GIS to address and use and site planning issues.

The course also considers mapping standards used within the field of planning, and examines legal, privacy, and ethical implications of using GIS data in the public realm.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PLAN/GEOG 2001

CROSS-LISTING: PLAN 2006.03

GEOG 2070 Area Studies on Mexico and Central America

CREDIT HOURS: 3

Following an examination of the indigenous heritage, and the colonial legacy of the conquistadors, the class deals principally with the contemporary period, examining the Mexican Revolution and its aftermath, the Somoza dynasty, Nicaragua under the Sandinistas, the U.S. role in the region, the human rights situation in Central America, and probable developments in the region. The class is designed to provide an understanding of the contemporary reality of this volatile region, in many ways a microcosm of the crucial situation of Latin America as a whole.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 2

PREREQUISITE: No prerequisites. Open to students in all departments. No knowledge of Spanish necessary

CROSS-LISTING: HIST 2383.03

GEOG 2100X/Y Environment and Culture

CREDIT HOURS: 6

Concern about the environment is a widespread phenomenon as virtually everyone is confronted by environmental issues -- be they global warming, the depletion of the ozone layer or the continuing problems of water pollution and solid waste disposal. Furthermore, we are becoming increasingly aware of that environmental issues often have global implications. The efforts of cities in Canada to deal with environmental pollution, for example, may lead to conflicts with rural regions. Similarly, rural regions, in their use of various chemical agents, may find themselves affecting the lives of city dwellers. This class will explore key relationships between human culture and the physical environment. Topics to be examined include: historical, social, and legal aspects of contemporary environmentalism, food and agriculture, environmental ethics, health, traditional ecological knowledge, sustainable forestry, waste management, public participation and environmental movements.

NOTES: Credit can only be given for this class if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, SOSA 1050X/Y.06, SOSA 1100X/Y.06, SOSA 1200 X/Y.06

CROSS-LISTING: SOSA 2100.06

GEOG 2201 Introduction to Development I

CREDIT HOURS: 3

Poverty, inequality and injustice are widespread throughout the contemporary developing world. This course will examine how this situation came to be. It begins by analyzing the different meanings of the term "development" and then examines the major approaches that have shaped practical development initiatives on the ground in the Global South over the past 60 years. The course also examines the legacies of history for contemporary development efforts in the Global South through specific case studies.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five full credits at the 1000 level or permission of the instructor

CROSS-LISTING: INTD 2001.03

GEOG 2202 Introduction to Development II

CREDIT HOURS: 3

This course builds upon the core concepts and approaches studied in INTD 2001 (i.e. different theoretical approaches to development and the historical creation of underdevelopment). The course examines key contemporary issues in the field of development and analyses the connections between them: debt, global trade rules, foreign aid, hunger and malnutrition, rural and urban livelihoods, population growth. The course also examines the principle actors involved in development and the strategies they have used to promote and resist development, including: governments, non-governmental organizations (NGOs), the World Bank and IMF, and popular social movements in the Global South and North.

FORMAT: Lecture| Tutorial

PREREQUISITE: Completion of five credits at the 1000 level or permission of the instructor

CROSS-LISTING: INTD 2002.03

GEOG 2206 Africa: An Introduction

CREDIT HOURS: 3

This course will focus on contemporary Africa. Sterotypical portrayals of Africa will be examined and critiqued with the goal of emphasizing the immensity, diversity and complexity of the continent in order to better understand the opportunities and challenges of African development in the twenty-first century.

FORMAT: Lecture| Tutorial

CROSS-LISTING: INTD 2106.03

GEOG 2336 Regional Development

CREDIT HOURS: 3

Most countries have richer and poorer regions. Economic development issues, policies, and theories facing more industrialized nations are analyzed with particular focus on Canada (especially the Atlantic region), the European Economic Community, U.S.A., Japan, and Australia. Approved with Canadian Studies. In addition to the prerequisites, the student is advised to take one class in Political Science and one class in Canadian History before taking ECON 3336.

FORMAT: Tutorial| Seminar

PREREQUISITE: ECON 1101.03 and 1102.03

CROSS-LISTING: ECON 2336.03

GEOG 2800 Climate Change

CREDIT HOURS: 3

Most models of the atmosphere predict that increasing concentrations of greenhouse gases will continue to warm the surface of the earth and the oceans in the twenty-first century. The magnitude of the warming and its consequences are still very controversial. This class will discuss, mainly from a nonmathematical viewpoint, the

reasons for the greenhouse effect, the current warming in the context of the historical record of climate change, and sources of natural climate variability such as the El Nino Southern Oscillation. It will also review arguments that attribute the warming that has occurred in the Twentieth century to natural variability, and those that attribute the warming to increased human emission of greenhouse gases.

CROSS-LISTING: PHYC 2800.03 and OCEA 2800.03

EXCLUSIONS: ECON2850.06, PHYC2850.06

GEOG 3001 Landscape Ecology

CREDIT HOURS: 3

Landscapes reflect the interaction of natural and cultural processes. This course introduces the principles of ecology to landscape analysis. It explores relationships between environmental components in the landscape to inform community design and land use planning applications.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 2001.03 or GEOG 2001.03 or permission of the instructor

CROSS-LISTING: PLAN 3001.03

GEOG 3002 Reading the City

CREDIT HOURS: 3

Any city reflects the history of its topography, cultural traditions, and design interventions. This course introduces the principles, theories, and methods of urban form analysis in the local urban context. Students explore the local urban environment to interpret what the city means, and how it comes to take the shape it does.

FORMAT: Lecture| Lab

CROSS-LISTING: PLAN 3002.03

GEOG 3005 Cities and the Environment

CREDIT HOURS: 3

The contemporary landscape reflects a long history of human activities on the land and design and planning interventions through time. Civilizations rise and fall, often because of their degradation of the ecosystems that support them. This course examines the relationship of cities with the environment to enhance our understanding of landscape change, urban form and patterns in human settlements through the ages.

FORMAT: Lecture| Seminar

CROSS-LISTING: PLAN 3005.03

GEOG 3006 Reading the Landscape

CREDIT HOURS: 3

Any landscape reflects its natural and cultural history. This course explores principles, theories, and methods of landscape interpretation. These approaches will be applied to community design problems in local landscapes.

FORMAT: Lecture| Lab

PREREQUISITE: PLAN 3001.03, 3002.03, or GEOG 3001.03, 3002.03

CROSS-LISTING: PLAN 3006.03

GEOG 3110 Migration and Development

CREDIT HOURS: 3

The purpose of this course is to explore and better understand the connections between migration and development in contemporary societies. Classes will introduce or further explore one main theme or issue, such as development-induced displacement, labour migration, and HIV/AIDS and migration. Each class will centre on one or more discussion questions, exchange insights from relevant experiences of class participants or focus on a case study

FORMAT: Lecture| Seminar

CROSS-LISTING: INTD 3110.03

GEOG 3114 Environment and Development

CREDIT HOURS: 3

This course will examine the interconnections between the natural environment and different forms of social and economic development with a specific focus on developing countries. Various perspectives will be used to analyze the links between environmental issues and poverty, inequality, wealth, economic globalization and the ways in which different cultures understand and interact with the environment.

FORMAT: Lecture| Seminar

CROSS-LISTING: INTD 3114.03

GEOG 3165 Peoples and Cultures of the World: Selected Area Studies

CREDIT HOURS: 3

This class examines a specific geographic and/or culture area. The class begins with background material on geography and history. Its focus is on the people themselves, their social organization and political, economic, and cultural systems. How they relate to globalization and development will also be examined. Consult the Department to find which region is to be covered in a particular year. **Approved with International Development Studies.**

FORMAT: Lecture

PREREQUISITE: SOSA 1000X/Y.06; 1050X/Y.06; 1100X/Y.06; 1200X/Y.06

CROSS-LISTING: SOSA 3165.03

EXCLUSIONS: SOSA 2370.03

GEOG 3210 Canadian Cultural Landscapes

CREDIT HOURS: 3

This course explores the origins of one "signature" landscape in each province. Contact with different geographies shaped distinctive regional histories; but at the same time, the story of each place is tied to the national narrative. These landscapes also illuminate how nature has been understood, used, and transformed since the fifteenth century.

FORMAT: Lecture| Discussion

CROSS-LISTING: HIST 3210.03, CANA 3020.03

GEOG 3220 Coastal Communities in the North Atlantic

CREDIT HOURS: 3

Coastal communities as a social/ecological type are examined as populations, and social structures (territorial, economic, occupational, political) as they have developed in response to particular ecological and social circumstances. Various perspectives which have been applied to coastal communities are examined with regard to the contribution they may make to understanding the dynamics of these communities. The focus is on North Atlantic communities.

FORMAT: Lecture

PREREQUISITE: One of SOSA 1000X/Y.06, 1050X/Y.06, 1100X/Y.06 or 1200X/Y.06

CROSS-LISTING: SOSA 3220.03

GEOG 3284 Living in Cities

CREDIT HOURS: 3

2008 marked the first time in history that more of the global population lived in cities than in rural areas. What perspectives to anthropology and sociology offer on cities and their inhabitants? This course explores the social dynamics that constitute 'the city' and surveys how social scientists have studied and engaged with cities and city-dwellers. It approached 'the city' both as a whole and through its constituent parts: people and places. Examples may be drawn from cities large and small, near and far - including Halifax.

FORMAT: Lecture| Seminar

PREREQUISITE: One of SOSA 1000.06, SOSA 1050.06, SOSA 1100.06 SOSA 1200.06 FYP or PLAN 2005.06

CROSS-LISTING: SOSA 3284.03

GEOG 3302 Quaternary Sedimentary Environments

CREDIT HOURS: 3

The student is exposed to fluvial, alluvial, subglacial, glaciolacustrine, hillslope, eolian, coastal, shallow marine, rift, wedge top, retroarc, and foreland basin environments. Field trips and labs provide experience in methods used to distinguish the environments, including sedimentology, geomorphology, geochronology and thermochronology, and analysis of soils, cores, pebble fabrics, and section-scale non-petroleum sedimentary facies. Quaternary paleoclimatology and tectonic controls on weathering and deposition are discussed and debated.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 2203.03

CROSS-LISTING: EARTH 3302.03

GEOG 3370 North American Landscapes

CREDIT HOURS: 3

Landscapes are the product of human culture ordering nature for economic, social, political, religious, recreational, and artistic purposes. Landscape history analyzes and interprets the use and design of such features as fields and woodlands, roads and waterways, settlements and buildings, towns and suburbs, and parks and cities. This class examines the use and meaning of the spatial environment among the various societies in North America from the sixteenth to the twentieth centuries. Among the topics are the meaning of area resources for indigenous peoples, the occupation and settlement of colonial populations, transportation and continental expansion, town planning, the politics of water and land in the West, preservation movements, scenic tourism, and the literary and artistic stylization of landscapes. The class welcomes non-history students with an interdisciplinary interest in issues regarding planning and design, cultural ecology, and the governance of resources.

FORMAT: Lecture| Discussion

LECTURE HOURS PER WEEK: 3

CROSS-LISTING: HIST 3370.03

GEOG 3400 Human Health and Sustainability

CREDIT HOURS: 3

This course examines the relationships between the health of populations and health determinants in the context of environmental sustainability. Weekly laboratory exercises will teach students how geomatics (GIS, GPS, and remote sensing technologies) and epidemiological tools can be used to assess the links between the health of human populations and the health of the environment, and how to use these tools for environmental health research.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: Must be a third year student or have permission of instructor

CROSS-LISTING: ENVS 3400.03

GEOG 3440 Geomorphology

CREDIT HOURS: 3

Geomorphology is the quantitative study of Earth's surface processes and landforms applies to geology, civil engineering, hydrogeology, and environmental management. We investigate slope stability, weathering and soils, sediment production, wind-driven and coastal environments, tectonic landforms, and river, glacial and permafrost processes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080, EARTH 1090; or SCIE 1505, or SCIE 1515, or SCIE 1530, or permission of the instructor AND completion or concurrent enrollment of a 1000-level mathematics class, a 1000-level physics class, and a 1000-level chemistry class.

CROSS-LISTING: EARTH 3440.03

GEOG 3500 Exploring Geographic Information Systems

CREDIT HOURS: 3

Geographic Information Systems (GIS), as a tool for the management of georeferenced data, have become indispensable for disciplines where location of objects and pattern of processes is important. GIS plays a significant role a wide range of applications, from modeling, to analysis and predictions, to decision making. The class is aimed at a broad base of potential users and draws on examples of the role of GIS in global climate change, mineral exploration, preservation of biodiversity, coastal zone management, resource depletion, and many other present and future environmental issues. The course material will be of interest to those studying geoscience, environmental science, ecology, marine biology, oceanography, epidemiology, urban and rural planning, civil engineering, and any other field involving spatial data. Laboratory exercises emphasize the principles of raster and vector GIS, and the integration of databases and GPS (global positioning systems) data into GIS. Exercises draw on the diversity of GIS applications in a number of application areas.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: Two years of university study or equivalent or instructor's permission

CROSS-LISTING: EARTH 3500, EARTH 5600, ENVS 3500

EXCLUSIONS: Credit will only be given for one of GEOG 3500, SCIE 3600, EARTH 3500, EARTH 5600, ENVS 3500

GEOG 3633 Spatial Information and GIS in Ecology

CREDIT HOURS: 3

A hands-on approach to understanding and using spatial information, this class introduces students to Geographic Information Systems (GIS) as a tool to answer ecological questions. Together, students conduct a major field project, collecting data, creating maps using GIS, and interpreting spatial patterns, to address and applied problem in ecology.

NOTES: Offered in the summer through SEASIDE. an auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

PREREQUISITE: BIOL 2060.03

CROSS-LISTING: ENVS 3633.03, BIOL 3633.03

GEOG 4440 Geomorphology and Landscape Evolution

CREDIT HOURS: 3

Ripple-to mountain range-scale landforms evolve under predictable internal and external forces that are modulated by the physical and chemical properties of the rock. The purpose of this course is to provide a thorough examination of the development of landscapes by tectonics and surficial processes involving weathering, mass wasting, streams, and glaciers. The concepts of equilibria, climate and vegetation change, and rock character are recurring themes throughout the course. Dating and thermochronology methods are discussed in the context of rates of landscape change. Early classic viewpoints of landform development are contrasted with the latest numerical simulations of landscape evolution. The labs are mostly field-oriented with emphasis on Quaternary stratigraphy, describing and interpreting soils, local geomorphology, and geomorphometrics.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 1080 and EARTH 1090 recommended. Must be a 4th year Science student familiar with excel, or with instructor's permission

CROSS-LISTING: EARTH 4440.03

GEOG 4450 Introduction to Landscape Simulation

CREDIT HOURS: 3

We examine different approaches to numerical modelling of earth-surface processes such as erosion and landslides, melting permafrost, and braided rivers. Using class and/or individual projects as examples, the selection of variables, sensitivity testing, and methods for testing models against nature are discussed. We use Matlab; programming experience is useful but not essential.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: EARTH 3440.03, MATH 1010 or 1400, PHYC 1280.03/1290.03X/Y and three courses at the 3000-level in the physical sciences (chemistry, earth science, physics) or with consent of instructor

CROSS-LISTING: EARTH 4450

GEOG 4520 GIS Applications to Environmental and Geological Sciences

CREDIT HOURS: 3

Note: This class is not offered every year. Please consult department in the spring for further information. Geographic information systems (GIS) provide a rich set of new tools to the geologist and environmental scientist, not only to solve conventional problems, but also to explore questions not readily answered by other means. This class builds on the fundamentals of GIS taught in EARTH 3500.03 to explore analytical tools that aid in decision-making processes encountered in mineral exploration, hydrogeology, site selection, environmental assessment, and global change analysis. The class concentrates on case studies and problem solving, including those requiring multi-criteria and multi-objective decision making processes.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: GEOG 3500.03, ENVS 3500, EARTH 3500.03; EARTH 5600, or SCIE 3600.03; STAT 1060.03

CROSS-LISTING: EARTH 4520.03

GEOG 4530 Environmental Remote Sensing

CREDIT HOURS: 3

The goal of this class is to introduce students to the role of remote sensing as a technique provide environmental and geologic information. Particular emphasis will be placed on examining the potential and limitations of remote sensing methods and data in this context. The lectures discuss the fundamentals of remote sensing with an emphasis on multi-spectral satellite systems. In the lab, students use computerized techniques of digital image enhancement and thematic information extraction to process images derived from optical, radar, and hyperspectral remote-sensing systems. The integration of remote-sensing information with GIS (Geographic Information Systems) is stressed in both the labs and lectures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: EARTH 3500.03, ENVS 3500.03, or EARTH 5600.03 or SCIE 3600.03 or GEOG 3500.03

CROSS-LISTING: EARTH 4530.03

GEOG 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3
COREQUISITE: EARTH 5420.03/GEOG 4520.03
PREREQUISITE: ENVS 3500.03/ERTH 3500.03/GEOG 3500.03 and permission of instructor
CROSS-LISTING: BIOL 4850.03, ENVS 4850.03, SCIE 4850.03, EARTH 4850.03
EXCLUSIONS: Restricted to 3rd and 4th year students

Humanistic Studies in Science

Attention is drawn to the following courses, offered in several departments. All of these courses are concerned with the humanistic aspects of scientific thought and its development. For complete course descriptions please consult the appropriate department listing in this calendar.

NOTE: Not all courses are offered every year. Please consult the current timetable for this year's offerings.

History of the Sciences

- BIOL 3503.06, HSTC 2200.06, SCIE 2000.06: Introduction to the History of Science
- BIOL 4664.03/OCEA 4331.03/SCIE 4001.03/HIST 3073.03/HSTC 3331.03: History of Marine Sciences

Philosophy of the Sciences

- PHIL 3420.03, BIOL 3580.03: Philosophy of Biology
- PHIL 2560.03: Minds & Machines: Introduction to cognitive Science
- PHIL 2660.03 Logic: Understanding Scientific Reasoning
- BIOL 3601.03: Nature Conservation
- PHIL 2130.03: Logic
- PHIL 3051.03: Epistemology
- PHIL 3670.03: Philosophy of Science

Integrated Science Program

Location:
Building/Room: Life Sciences Centre
Street Address 1: 1355 Oxford Street
Street Address 2: Room 827
P.O. Box: 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-2765
Fax: (902) 494-1123
Website: disp.science.dal.ca
Email Address: disp@dal.ca

Introduction

Dalhousie's Integrated Science Program is an alternative and unique way for a serious, well-prepared student to complete the first year of a BSc. In addition to learning the core material of several first-year science subjects, students gain an interdisciplinary perspective, develop transferrable skills, and conduct research, all in their first year. The goals of the program are:

1. To engage students in the process of scientific inquiry and provide them with hands-on experience in scientific research skills.
2. To provide sufficient background to enter second-year courses in the specific disciplines included in the program.
3. To point out the interrelationships among the science disciplines.
4. To indicate how the history and philosophy of scientific thought helps us to understand science.
5. To show the relevance of science in students' lives and the links between science and society.

This first-year program exposes students to a broader range of science disciplines than is possible in regular courses and does so in an integrated manner. Students learn from a team of instructors from different departments in the Faculty of Science. Instructors meet weekly to coordinate their teaching efforts and track learning outcomes. While teaching the material from regular first-year science courses, Integrated Science instructors highlight the natural links among their disciplines and help students apply the scientific method and quantitative techniques to topics and questions across the sciences.

Integrated Science students are members of a small cohort (maximum 75) of BSc students who take their courses, field trips and labs together. The course schedule varies each week, to use the time available efficiently for lectures, labs, and field trips, and to allow flexibility to link particular topics when appropriate. The flexible schedule also allows field trips to be scheduled without interfering with other courses. The course takes field trips approximately weekly throughout the first six weeks of fall term.

A companion course, Ethics in Science, provides an introduction to ethical questions that arise in the practice of science and uses examples that link to topics studied in the science components of the program. Regular instruction, practice, and feedback in writing are integrated across Ethics in Science and the Writing in Science component of Integrated Science. Students develop scientific writing skills through formal writing assignments in the fall and a series of research project assignments in winter.

Emphasis on scientific research methods and communication skills, along with a broad introduction to science, makes Integrated Science an excellent foundation for most Honours or Combined Honours BSc, or Major or Double Major BSc degrees. The broader exposure to science is helpful for students who are interested in many sciences and want to see what different subjects have to offer. Integrated Science is also excellent preparation for professional graduate programs, such as Law or Medicine.

Integrated Science candidates should be highly-motivated and have a strong interest in science. They should find the idea of being immersed in science very stimulating; they should want to learn to think across the discipline boundaries as well as to master discipline-specific material at the first-year level; they should be enthusiastic about being part of a small cohort of students intent on learning how to work and think like scientists; they should want to be cooperative and effective team members; they should have good study, work, and time-management skills; and they should welcome challenges to work hard, to think critically, and to solve problems.

Students wishing to enter this program normally must have a minimum Grade 12 average of 80%, with a minimum of 80% in Mathematics and 70% English, and a minimum of 75% in Grade 12 Chemistry plus Grade 12 Biology or Grade 12 Physics. The average high school mark of incoming Integrated Science students is around 90%. Students must be accepted to the Integrated Science Program as well as be accepted to the BSc at Dalhousie University.

Staff

Administrative Assistant

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Director and Program Coordinator

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Biology Department, Life Sciences Centre, Room 7130
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Email: Cindy.Staicer@Dal.ca

Choosing an Integrated Science Option

The program includes SCIE 1505.18 (the core Integrated Science components), a companion, three credit hour humanities course, PHIL 1050.03 (Ethics in Science), and one to three science co-requisites. The schedules of SCIE 1505 plus PHIL 1050 are coordinated with the timetable of regular science courses to ensure that first-year Chemistry, Mathematics, and Physics will fit into student schedules. A student can choose one of three Integrated Science Options in which to register. Each incorporates a different suite of co-requisite science courses and is designed to prepare students for a range of degree programs at Dalhousie. Contact the Program Director to discuss other possibilities.

First year pre-requisites

Component or subject	SCIE 1505 or co-requisite	Course or equivalent	Option A: Physical Sciences or Engineering	Option B: Biomedical Sciences	Option C: Life Sciences
Biology	SCIE 1505	BIOL 1010.03/BIOL 1011.03	Fall & Winter	Fall & Winter	Fall & Winter
Chemistry	Co-requisite	CHEM 1011.03/CHEM 1012.03	Fall & Winter	Fall & Winter	Fall & Winter
Earth Science	SCIE 1505	ERTH 1080.03	Winter	Winter	Winter
Math (Calculus)	Co-requisite	MATH (see Options)	Fall & Winter (MATH 1000/MATH 1010 or MATH	Fall & Winter(MATH	Fall (MATH

			1280/MATH 1290 or MATH 1500)	1000/MATH 1010)	1215.03)
Physics	Co-requisite	PHYC (see Options)	Fall & Winter (PHYC 1190/PHYC 1290)	Fall & Winter (PHYC 1300)	(none)
Psychology	SCIE 1505	PSYO 1011.03/PSYO 1012.03	Fall & Winter	Fall & Winter	Fall & Winter
Statistics	SCIE 1505	STAT 1060.03	Fall	Fall	Fall
Writing in Science	SCIE 1505	SCIE 1111.03	Winter	Winter	Winter
Humanities	Co-requisite	PHIL 1050.03	Fall	Fall	Fall
Number of credit hours	Number of credit hours	Number of credit hours	39	39	30

* Full-credit course or equivalents is six credit hours (0.06); half-credit course or equivalents is three credit hours (.03). Options A and B represent overloads. Option C is 30 credit hours, a normal course load. Note that students get some exposure to Earth Sciences through field trips and integrated sessions in the fall, and study the subject formally in Winter term.

First-year pre-requisites. All three options fulfil several first-year requirements for the BSc. The full-year Psychology component of SCIE 1505 fulfils the Social Science requirement. The Statistics component of SCIE 1505 plus one Calculus course fulfil the full-year of Mathematics requirement.

The integrated Writing in Science component of SCIE 1505 and the companion Humanities course (PHIL 1050) together serve as a full-year Writing Requirement Course at Dalhousie University. The Integrated Science writing course serves in lieu of ENGL 1000 for entry to the School of Pharmacy at Dalhousie University. Note that PHIL 1050 also satisfies three credit hours of Humanities or Language requirement at Dalhousie; before they graduate, students will need to take another three credit hour course in a Humanities or Language.

Integrated Science students can expect a higher course load (more credits) and heavier workload than regular first-year BSc students. A heavier workload is unavoidable considering the larger number of disciplines studied, the integrated writing course, and the research project component. The workload of Integrated Science is managed, however, so students have less work than if taking all of the equivalent components as separate courses. Also, assignments and tests are spread out as evenly as possible through the week and the term. Students should note that the heavier workload is excellent preparation for higher workloads in second year of the BSc. A student's actual workload will depend on the Option (science co-requisites) selected to complete the first-year program.

Option A (Physical Sciences and Engineering) is recommended preparation for physical science BSc degrees (e.g., Atmospheric Science, Chemistry, Earth Sciences, Physics and Atmospheric Science) or Engineering degrees, because this option includes a full year of Calculus and full year of calculus-based Physics (PHYC 1190/PHYC 1290) with content needed for Engineering. Option A or B is suitable for BSc degrees or minors in Economics, Mathematics, or Statistics.

Option B (Biomedical Sciences) is intended for students who are mainly interested in the life sciences but want to keep their options open by taking a full year of Calculus (MATH 1000/MATH 1010) and full year of Physics for the Life Sciences (PHYC 1300). Option B is recommended preparation for BSc degrees in Biology, Biochemistry and Molecular Biology, Environmental Science, Microbiology and Immunology, Marine Biology, Medical Science, Neuroscience, Ocean Science, or Psychology.

Option C (Life Sciences) will prepare students for BSc degrees in the life sciences, such as Biology, Biochemistry and Molecular Biology, Environmental Science, Microbiology and Immunology, Marine Biology, Medical Science, Neuroscience, or Psychology. This option is intended for life or medical science students who want a more normal workload and typical selection of courses. Option C is recommended for students interested in Pharmacy. Any option will provide a solid foundation for professional degrees, such as Law or Medicine.

IB or AP credits in Chemistry, Math or Physics can be used in lieu of taking the corresponding co-requisite. All Integrated Science students are required to take PHIL 1050 and all components of SCIE 1505 because the content and skills practiced are integrated across these components (i.e., IB or AP credits cannot be used in lieu of Biology, Earth Science, Philosophy, Psychology, or Statistics).

On their transcripts, students receive a single letter grade for SCIE 1505 and separate grades for their other courses. A breakdown of subject marks in SCIE 1505 is provided, upon request, for the purpose of applying for scholarships or professional programs or transferring other universities.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses so designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

SCIE 1505X/Y Integrated Science

CREDIT HOURS: 18

This program provides comprehensive first-year preparation for science major or honours degrees and includes a full-year writing course and research project in the sciences. Concepts and techniques are taught in Biology, Earth Science, Psychology, and Statistics and are linked to material taught in separate Chemistry, Mathematics, and Physics courses.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 9

LAB HOURS PER WEEK: 5

COREQUISITE: PHIL 1050.03; CHEM 1011.03/CHEM 1012.03; one of MATH 1000.03/MATH 1010.03 or MATH 1000.03 or MATH 1215.03 OR MATH 1280.03 and MATH 1290.03 or MATH 1500.06. Recommended: PHYC 1190.03/1290.03 or PHYC 1300.06 X/Y or PHYC 1310.03/1320.03 or PHYC 1310.03

CROSS-LISTING: BIOL 1010.03/1011.03 or BIOL 1020.03/1021.03; EARTH 1080.03; PSYO 1011.03/1012.03 or PSYO1021.03/1022.03; SCIE 1111.03; STAT 1060.03

Marine Biology

Location:

Building/Room: Life Sciences Centre

Street Address 1: 1355 Oxford Street

Street Address 2: Biology Department

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3818

Fax: (902) 494-3736

Website: marine.biology.dal.ca

Email Address: biology@dal.ca

Introduction

The Marine Biology Program offers students the opportunity to study and experience marine life, from the tiny plankton that drive ocean ecosystems to the sharks and marine mammals at the top of the food chain. In the first two years of the program, Marine Biology students obtain a basic grounding in Biology and start to learn the basics of how the ocean works. They then use their third and fourth years to study in greater depth the diversity, physiology, ecology, and evolution of marine animals and plants. Many students combine their studies of marine biology with courses in the chemistry or physics of the ocean. Marine Biology students are offered a Co-op option, where three work terms in industry, government or university laboratories, or ecotourism are included within the program.

The Biology department is located adjacent to the sea in the Life Sciences Centre. All eight floors have running sea water, and we have a 15m pool tank and a 10m deep tower tank. Within a 30 km radius there are salt marshes, rocky shores, estuaries, and sand beaches for field work.

Our students have many opportunities to participate in marine-related research; examples can be viewed on our website. "Ocean studies" is an area of special emphasis for Dalhousie University, and thus many faculty members have active research programs in marine science. In addition, many marine scientists at local research institutions, including the Bedford Institute of Oceanography and the Institute for Marine Biosciences serve as supervisors for our Honours students.

An undergraduate major in Marine Biology at Dalhousie qualifies you for technical positions in places like government fisheries laboratories, aquaculture farms, and consulting firms. In the Marine Biology program's summer field courses or in the honours research courses, you'll get plenty of hands-on opportunities to explore the ocean—preparing you for the exciting challenges of diverse marine-related careers.

Degree Programs

The Department of Biology offers the following degree programs in Marine Biology

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc (120 credit hour) Double Major*
- Minor in Marine Biology

* BSc Co-op option available

* May be combined with Minor programs from other disciplines

Departmental requirements for each degree program can be seen by following the links in the menu at the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Marine Biology undergraduate academic advisor.

Prospective Marine Biology students should be aware that to advance to the second year Biology courses in the Marine Biology program, they must achieve at least a C+ grade in the prerequisite first year Biology courses. Students with exceptional extenuating circumstances may appeal this requirement to the Biology Undergraduate Curriculum Committee. Students should go to the Biology Main Office for further details.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Undergraduate Program Co-ordinator

McAllister-Irwin, N. (irwinn@dal.ca) 902 494-3818

Program Advisors

For Marine Biology program advising, please email biology.advising@dal.ca and indicate whether you are interested in Majors or Honours advising.

BSc or BA (120 credit hour) Concentrated Honours in Marine Biology

Students who want a challenging program resulting in a broad background in Marine Biology, including an independent research experience may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours.

To graduate with Honours, students must complete a minimum of 54 credit hours above the 1000 level in Marine Biology/Biology. A minimum B+ average (GPA of 3.3), with no grade less than C, is required in the core 2nd year Biology courses. Students must also have a cumulative B average (GPA of 3.0) at the time of graduation. Students write a research-based Honours thesis. The Honours Qualifying Examination requirement is satisfied through completion of MARI 4900X/Y.06 or MARI 4901.03 AND MARI 4902.03.

A Science Co-op option is available for students enrolled in a BSc Concentrated Honours in Marine Biology. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours should consult with a Marine Biology Honours Advisor early in their studies. To be admitted, students must:

- Have a minimum B+ average (GPA of 3.3) in core 2nd year Biology courses with no grade less than C. A maximum of two of these core courses may be repeated to achieve this requirement.
- Have a minimum B average (GPA of 3.0) across all courses.
- Identify and gain the support of a thesis supervisor during their third year of studies (see Honours webpage for supervisor eligibility)
- With the supervisor's input, draft and submit a thesis proposal to the Honours Committee no later than May 15th of their third year of studies. See Honours webpage for thesis proposal guidelines, and admission procedures for Honours Co-op students.

Marine Biology/Biology Honours webpage <http://biology.dal.ca/honours/index.html>

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Concentrated Honours program in Marine Biology must complete the following courses:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1000.03 or MATH 1215.03

Marine Biology students who wish to include 2nd year courses in Ocean Sciences (other than OCEA 2000.06) in their programs should also take PHYC 1300X/Y.06 or equivalent.

2000 level

Core Biology courses

- BIOL 2003.03 Diversity of Life I
- BIOL 2004.03 Diversity of Life II
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology

Other required courses

- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03 The Blue Planet
- MATH 2080.03/STAT 2080.03 Statistical Methods for Data Analysis and Inference

3000/4000 level

- A minimum of 18 credit hours of MARI courses
- An additional 12 credit hours in MARI or MARI-equivalent, or BIOL or BIOL-equivalent courses (see Biology section of the calendar for a list of BIOL equivalent courses)
- MARI 4900X/Y.06 Honours Research and Thesis or MARI 4901.03/MARI 4902.03 Honours Research and Thesis I & II (for co-op students)

Please speak with an advisor for a comprehensive list of acceptable courses.

BSc or BA (120 credit hour) Combined Honours in Marine Biology and another subject

Students who wish to study Marine Biology in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science (other than Biology), the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Marine Biology may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject. Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas.

To graduate, students must complete a minimum of 36 credit hours (Marine Biology as primary subject) or 30 credit hours (Marine Biology as secondary subject) above the 1000 level in Marine Biology/Biology. A minimum B+ average (GPA of 3.3), with no grade less than C, is required in the core 2nd year Biology courses. Students must also have a cumulative B average (GPA of 3.0) at the time of graduation. Students write a research-based Honours thesis. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Marine Biology, this requirement is satisfied through MARI 4900X/Y.06 or MARI 4901.03/MARI 4902.03.

A Co-op option is available for students enrolled in a BSc Combined Honours in Marine Biology. See Co-operative Education Program.

Admission to Honours

Students must apply for admission to Honours programs. To be admitted to the Marine Biology Honours program, students must:

- Have a minimum B+ average (GPA of 3.3) in core 2nd year Biology courses with no grade less than C. A maximum of two of these core courses may be repeated to achieve this requirement.
- Have a minimum B average (GPA of 3.0) across all courses.
- If Marine Biology is to be the primary subject area, students must
 - Identify and gain the support of a thesis supervisor during their third year of studies (see Marine Biology Honours webpage for supervisor eligibility)
 - With the supervisor's input, draft and submit a thesis proposal to the Marine Biology Honours Committee no later than May 15th of their third year of studies. See Honours webpage for thesis proposal guidelines, and admission procedures for Honours Co-op students.

Marine Biology/Biology Honours webpage <http://biology.dal.ca/honours/index.html>

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Combined Honours program in Marine Biology and another subject must complete the following:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1000.03 or MATH 1215.03

Marine Biology students who wish to include 2nd year courses in Ocean Sciences (other than OCEA 2000.06) in their programs should also take PHYC 1300.06 or equivalent.

2000 level

Core Biology courses

- BIOL 2003.03 Diversity of Life I
- BIOL 2004.03 Diversity of Life II
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology

Other recommended courses

- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03 The Blue Planet
- MATH 2080.03/STAT 2080.03 Statistical Methods for Data Analysis and Inference

3000 level

- A minimum of 9 credit hours of MARI courses
- An additional 3 credit hours in MARI or MARI-equivalent, or BIOL or BIOL-equivalent courses. (see Biology section of the calendar for a list of BIOL equivalent courses)

If Marine Biology is the primary subject, students will also complete

- MARI 4900 X/Y.06 Honours Research and Thesis or MARI 4901.03/MARI 4902.03 Honours Research and Thesis I & II (for co-op students)

Please speak with an advisor for a comprehensive list of acceptable courses.

BSc or BA (120 credit hour) Major in Marine Biology

The 120 credit hour Major is suited to students who want to focus on Marine Biology, but wish to have a program that is somewhat less constrained than the Honours program. It provides a four-year survey of Marine Biology, and is designed for students not anticipating subsequent experimental graduate-level training in Marine Biology or related disciplines. Marine Biology Majors complete a minimum of 42 credit hours in Marine Biology courses above the 1000 level and do not have thesis (or related) requirements. Research and other experiential learning opportunities are available through laboratories, special topics and experiential courses. Students should plan their programs carefully and, if required, obtain advice from an academic advisor.

A Science Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Marine Biology. See Co-operative Education Program.

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Major program in Marine Biology must complete the following courses:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1000.03 or MATH 1215.03

Marine Biology students who wish to include 2nd year courses in Ocean Sciences (other than OCEA 2000.06) in their programs should also take PHYC 1300.06 or equivalent.

2000 level

- BIOL 2003.03 Diversity of Life I
- BIOL 2004.03 Diversity of Life II
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology
- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03 Blue Planet

3000/4000 level

- A minimum of 24 credit hours of Marine Biology (MARI) or MARI-equivalent courses or BIOL courses with marine emphasis (For example, BIOL 3065.03, BIOL 3102.03, BIOL 3326.03, BIOL 3615.03, BIOL 3665.03, BIOL 4061.03, BIOL 4062.03, and approved summer field courses).

Please speak with an advisor for a comprehensive list of acceptable courses.

BSc or BA (120 credit hour) Double Major in Marine Biology and another subject

The Double Major degree program allows students to combine a study of Marine Biology with another subject. The other subject may be any discipline from the Faculty of Science (other than Biology), the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Marine Biology may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

Regardless of whether Marine Biology is the primary or secondary subject, the Biology departmental requirements are the same (see below). Students must complete a minimum of 30 credit hours in Marine Biology courses above the 1000 level. It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

A Science Co-op option is available for students enrolled in BSc Double Major with Marine Biology as the primary subject. See Co-operative Education Program.

Course Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Marine Biology and another subject must complete the following:

1000 level

- BIOL 1010.03 or BIOL 1020.03 or SCIE 1505X/Y.18 or equivalent
- BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18 or equivalent
- MATH 1060.03/STAT 1060.03 or SCIE 1505X/Y.18 or equivalent
- CHEM 1011.03 and CHEM 1012.03
- MATH 1000.03 or MATH 1215.03

Marine Biology students who wish to include 2nd year courses in Ocean Sciences (other than OCEA 2000.06) in their programs should also take PHYC 1300.06 or equivalent.

2000 level

- BIOL 2003.03 Diversity of Life I
- BIOL 2020.03 Cell Biology
- BIOL 2030.03 Genetics and Molecular Biology
- BIOL 2040.03 Evolution
- BIOL 2060.03 Introductory Ecology

3000/4000 level

- A minimum of 15 credit hours of Marine Biology (MARI) or MARI-equivalent courses or BIOL courses with marine emphasis (For example, BIOL 3065.03, BIOL 3102.03, BIOL 3326.03, BIOL 3615.03, BIOL 3665.03, BIOL 4061.03, BIOL 4062.03, and approved summer field courses).

Please note that a double major in Biology and Marine Biology is not offered.

Please speak with an advisor for a comprehensive list of acceptable courses.

Minor in Marine Biology

This minor is available to non-Biology/Marine Biology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Marine Biology (MARI) courses at the 2000 level or higher

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students Co-operative Education Program (Science Co-op) in Marine Biology

Co-op Academic Advisor: Dr. N McAllister-Irwin (nancy.mcallister-irwin@dal.ca)

Science Co-op is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in **BSc (120 credit hour) Honours or Major programs** in Marine Biology, or in Combined Honours or Double Major programs with Marine Biology as the primary subject. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. For entry into Marine Biology Co-op, a minimum grade of B+ in BIOL 1010.03 is required. Students must be

eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study, but application during the second year of study is possible. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four months prior to the first work term.

Details are available from the Marine Biology/Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Marine Biology, please see the Departmental webpage www.dal.ca/academics/programs/undergraduate/marinebio/what_will_i_learn/coop_work_terms.html

Minors available to students in Marine Biology

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc (120 credit hour) program in Marine Biology may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Marine Biology, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to student enrolled in a BSc in Marine Biology include:

- Certificate in Animal Behaviour
- Certificate in Environmental Impact Assessment
- Certificate in Genetics
- Certificate in Geographic Information Science
- Certificate in Science Leadership and Communication

MARI-Equivalent Courses

The following courses given by other departments may be taken as a Marine Biology course toward a BA, BSc and BSc (Honours) Marine Biology degrees.

Any course cross-listed as a MARI course

Aquaculture (AQUA)	AQUA 2000, AQUA 3000, AQUA 4000, AQUA 4001
Nutrition (NUTR)	NUTR 3002
Research Methods/Project Seminars	RESM 4010, RESM 4011

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

The normal entry requirement for upper level courses in Biology and Marine Biology is a grade of C+ or better in BOTH terms of first year Biology or in SCIE 15050.18. Students with extenuating circumstances may appeal to the departmental Undergraduate curriculum committee. Students should go to the Biology Main Office for further details.

Course Descriptions

MARI 3003 Introduction to Field Oceanography

CREDIT HOURS: 3

See course description for OCEA 3003.03 in the Oceanography section of the calendar.

MARI 3042 Molecular Ecology

CREDIT HOURS: 3

We survey techniques of molecular genetic analysis and consider how they can be used to identify species, populations, sexes, individuals and family relationships, and study population attributes such as historical dispersal, contemporary connectivity, mating behaviour and effective population size. Evaluation is based on assignments, a test and a final exam.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A grade of B- or better in each of BIOL 2030.03 (or GENE 2000.03), BIOL 2040.03, and BIOL 2060.03

CROSS-LISTING: BIOL 3042.03

EXCLUSIONS: BIOL 4042.03

MARI 3063 Resource Ecology

CREDIT HOURS: 3

This course considers the ecology, utilization, and management of natural resources in fisheries, wildlife and forest management, agriculture and aquaculture. Topics include population dynamics, community interactions, and ecosystem support of resources as well as the history of resource utilization, practices of controlling production, pests, and predators, and sustainable management strategies.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 2

TUTORIAL HOURS PER WEEK: 2

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), MATH 1000.03 (or MATH 1215.03 or SCIE 15xx), STAT 1060.03 (or SCIE 15xx)

CROSS-LISTING: BIOL 3063.03

MARI 3074 Physiology of Marine Animals, Part I

CREDIT HOURS: 3

Animals in a marine environment are quite different from those found in air or fresh water, but the “physiological principles” are similar. This course deals with the same principles as BIOL 3078, but emphasizes the special characteristics of marine animals and the techniques necessary to study them in laboratories. Note: Students must complete MARI 3074.03 before MARI 3076.03

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03 and BIOL 2020.03 (or BIOA 2001.03)

CROSS-LISTING: BIOL 3078.03

MARI 3076 Physiology of Marine Animals Part II

CREDIT HOURS: 3

Animals in a marine environment are quite different from those found in air or fresh water, but the “physiological principles” are similar. This course deals with the same principles as BIOL 3079, but emphasizes the special characteristics of marine animals and the techniques necessary to study them in laboratories.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: MARI 3074.03 OR BIOL 3078.03

CROSS-LISTING: BIOL 3079.03

RESTRICTIONS: BIOA 3005.03

MARI 3080 The Ecology and Evolution of Fishes

CREDIT HOURS: 3

The course examines selected topics on the ecology and evolution of marine and freshwater fishes. Topics include: phylogeny and systematics; functional morphology and physiology; population biology; life-history evolution; behavior; fisheries science; and conservation biology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A cumulative GPA of 2.7 (B-) or better in BIOL 2003.03, BIOL 2040.03, BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: BIOL 3080.03

EXCLUSIONS: BIOL 3067.03, MARI 3067.03, BIOL 5067.03

MARI 3101 Microbial Ecology

CREDIT HOURS: 3

Lectures on the ecology of bacteria, viruses, protists. Community structure, food web nutrient cycling, biogeochemical cycles, competition, succession and symbiosis are discussed with examples from marine, fresh-water and soil habitats. There is an emphasis on marine organisms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2004.03 (or MICI 2100.03) and BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: BIOL 3101.03

MARI 3221 Diversity of Algae

CREDIT HOURS: 3

This course is a taxonomic introduction to the major algal groups (macrophytic and microscopic) with an emphasis on the marine seaweeds. Basic taxonomic differences are covered, along with an introduction to macrophyte ecology, human uses and symbioses. Laboratory sessions focus on morphology and reproduction.

PREREQUISITE: BIOL 2004.03 or equivalent

CROSS-LISTING: BIOL 3221.03

EXCLUSIONS: BIOL 3212.03, MARI 3212.03

MARI 3301 Invertebrate Biology

CREDIT HOURS: 3

A survey of the diversity, ecology, and evolutionary history of the major invertebrate groups. Lectures will emphasize phylogenetics and diversity of body plans. Labs will emphasize identification and anatomy through field trips to local sites, computer aided learning, and group projects to construct food-webs for local invertebrate communities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03

CROSS-LISTING: BIOL 3301.03

RESTRICTIONS: This course is restricted to MARI majors.

EXCLUSIONS: BIOL 3321X/Y.06

MARI 3600 Aquaculture

CREDIT HOURS: 3

Through lectures, laboratories and field trips (additional fees apply), this course offers an introductory overview of aquaculture, the culturing of aquatic plants and animals. The following topics are covered with both a Maritimes and global perspective: overview, physico-chemistry of water, engineering, culture techniques, health, nutrition, genetics, environmental and socio-economic considerations.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 2003.03

CROSS-LISTING: BIOL 3600.03

MARI 3623 Applied Coastal Ecology

CREDIT HOURS: 3

Impacts of anthropogenic inputs on the structure and function of coastal ecosystems. Through field trips and other coursework, students examine ecosystem health, e.g., in macroalgal communities on rocky shores, in seagrass beds on sedimentary shores, and learn basic experimental design, principles of environmental assessment and monitoring, and coastal habitat remediation.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca. Not offered every year.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03)

CROSS-LISTING: BIOL 3623.03, ENVS 3623.03

MARI 3626 Field Studies of Marine Mammals

CREDIT HOURS: 3

Hands-on introduction to research on marine mammals. Lectures provide an overview of marine mammal adaptations, evolution, population biology, social organization, conservation, and management. Labs include a necropsy and techniques of photographic identification of individuals. On a several-day camping trip, students observe marine mammals from whale-watch boats and conduct research projects.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), and BIOL 3062.03 (or BIOL 3630.03 or PSYO 2160.03), and STAT 1060.03 (or equivalent)

CROSS-LISTING: BIOL 3626.03

MARI 3627 Biology and Conservation of Sharks, Skates and Rays

CREDIT HOURS: 3

This course offers a combination of lectures, labs, and field trips that explore the elements of elasmobranchs (shark, skate and ray) biology and conservation. Students are introduced to current methods used in shark research, such as tagging, and learn about the role of sharks in ecosystems.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and BIOL 2003.03

MARI 3628 Marine Ornithology

CREDIT HOURS: 3

Overview of the biology of birds in marine environments. Seabird ecology, evolution, adaptations, identification, and natural history. Tools and techniques for studying

their behaviour, diet, and populations in the field. Lectures, exercises, and a week-long field trip to Maritime seabird breeding colonies. Student team and independent research projects and presentations.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see: seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 1010 or BIOL 1020 or equivalent, and BIOL 1011 or BIOL 1021 or equivalent, or SCIE 15XX, one of BIOL 2003 or BIOL 2004, and BIOL 2060, or instructor's permission. Knowledge of statistics, Geographic Information Systems (GIS), and familiarity with Excel spreadsheets are helpful, but not required, for research projects.

CROSS-LISTING: BIOL 3628.03

MARI 3632 Applied Field Methods in Fish Ecology

CREDIT HOURS: 3

Practical experience conducting field research on fishes with field trips to streams and shallow water marine/freshwater habitats. Techniques include collecting fish, designing and conducting surveys, studying behaviour, measuring phenotypic variability, quantifying temporal and spatial variation, planning for statistical analysis, and weighing tradeoffs between data quality, quantity, costs and ethical/environmental considerations.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 or BIOL 2003.03 or BIOA 3001.03 and STAT 1060.03 or their equivalents or permission of instructor. STAT 2080 is recommended.

CROSS-LISTING: BIOL 3632.03, ENVS 3632.03

MARI 3664 Intertidal Ecology and Diversity

CREDIT HOURS: 3

Hands-on, intensive introduction to ecological research on rocky shores, tidal flats, and sandy beaches. Relevant ecological concepts, sampling techniques for flora and fauna, and statistical skills are learned. Field sampling on day and camping trips is followed by lab work (e.g., identification of seaweeds, invertebrates), statistical analysis, and report preparation.

NOTES: Offered in summer through SEASIDE. An auxiliary fee is charged to cover field expenses. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03) and BIOL 2003.03 and (MATH 1060.03/STAT 1060.03 or SCIE 15xx)

CROSS-LISTING: BIOL 3664.03, ENVS 3664.03

EXCLUSIONS: BIOL 3662.03, BIOL 3663.03

MARI 3680 Scientific Diving Methods for Marine Ecology

CREDIT HOURS: 3

This course introduces students that are certified divers to the practice of underwater research using SCUBA. It combines lectures with supervised dives in various marine habitats to demonstrate the application of standard sampling and experimental procedures in marine ecology, with an emphasis on logistical considerations and diving safety.

NOTES: Offered every other summer through the SEASIDE program. An auxiliary fee is charged to cover costs of dive trips. For dates, times and special registration procedures, see seaside.science.dal.ca.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03) and STAT 1060.03 or SCIE 15xx, and an internationally recognized diving certification, and a diving physical. Recommended: BIOL 3221.03/MARI 3221.03, BIOL 3301.03

CROSS-LISTING: BIOL 3680.03

MARI 3685 The Gulf of Eilat Ecosystem: Coral Reef and Subtropical Sea

CREDIT HOURS: 3

Introductin to physical, chemical, and biological ocenography, marine geology, biogeochemistry, and coral-reef biology. Focus is on subtropical seas, the coral reef ecosystem, and the unique characteristics of the Gulf of Eilat. Lectures, laboratories, demonstrations, field trips, exam, group field research projects in the sea, oral presentation, and scientific research paper.

NOTES: This is a field course given at the Eilat Ocean Studies Centre in Isreal. Entry is restricted and requires submissionof an application form

FORMAT: Lecture| Lab

PREREQUISITE: OCEA 2000, STAT 1060 or permissin of instructor

CROSS-LISTING: OCEA 3685.03

MARI 3761 Marine Ecology

CREDIT HOURS: 3

Building upon an understanding of basic ecological and evolutionary principles, and a familiarity with the major marine invertebrate and algal taxa, this course examines patterns and processes at the organismal, population and community levels that determine the diversity and distribution of life in the sea.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 (or BIOA 3001.03), and (BIOL 2003.03 or BIOL 2004.03) and OCEA 2000X/Y.06 or (OCEA 2001.03 and OCEA 2002.03)

CROSS-LISTING: BIOL 3761.03

RESTRICTIONS: This course is restricted to 3rd and 4th year students.

MARI 3800 Experiential Learning

CREDIT HOURS: 3

Experiential Learning recognizes the learning experience relevant to the program outside the scheduled curriculum. Students are responsible for drafting a learning agreement with the course coordinator and supervisor to specify learning outcomes, activities designed to accomplish these outcomes, a quantifiable assessment strategy and a timetable.

NOTES: To register in this course, a student must first find a suitable supervisor and sign a learning agreement between the course coordinator, the student and the supervisor.

PREREQUISITE: Students must be registered in a Biology or Marine Biology program, have completed a minimum of 18 credit hours in Biology or Marine Biology above the 1000 level and have a minimum cumulative GPA of 2.4 or permission of the course coordinator.

CROSS-LISTING: BIOL 3800.03

EXCLUSIONS: Scheduled courses at a learning institution, study that would qualify for a Special Topics class, an Honours project, co-op work terms and paid work. Only one experiential learning course per degree is permitted.

MARI 4003 Coral Reefs and Environmental Change

CREDIT HOURS: 3

Coral reefs are iconic marine ecosystems both biologically and economically. This course introduces students to the biology of both tropical and cold-water corals, key characteristics of their abiotic environments, human impacts at both local and global scales, and management options for sustainable resource use and the protection of biodiversity.

PREREQUISITE: CHEM 1011.03/CHEM 1012.03 and BIOL 2060.03 and 6 credit hours in ENVS or BIOL or MARI at or above the 3000 level.

CROSS-LISTING: ENVS 4003

RESTRICTIONS: This course is restricted to fourth year students.

MARI 4060 Marine Mammalogy

CREDIT HOURS: 3

The course examines the characteristics that mammals brought with them when they returned to the ocean, their evolution, special adaptations, and roles in oceanic ecosystems and general principles of marine mammal population biology. The biology of marine mammals is used to explore conservation/management issues.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 2060.03 or BIOA 3001.03

CROSS-LISTING: BIOL 4060.03

RESTRICTIONS: This course is restricted to third and fourth year MARI majors.

MARI 4080 Laboratory Studies of Fishes

CREDIT HOURS: 3

Through a series of laboratory exercises, the course provides students with practical experience on various topics related to the study of ichthyology. Topics shall include the following: species identification; meristics and morphometrics; use of dichotomous keys; internal and external morphology; ageing and growth determination; ecomorphological attributes; data collection and analysis.

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: BIOL 3080.03 or MARI 3080.03

CROSS-LISTING: BIOL 4080.03

EXCLUSIONS: BIOL 3067.03, MARI 3067.03, BIOL 5067.03

MARI 4323 Biologging in Ecology

CREDIT HOURS: 3

This course explores the fundamentals and applications of biologging and biotelemetry: the use of electronic tags to study free-ranging animals and their environment. Students are introduced to the wide range of tags and their diverse applications in biology.

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2060.03 or BIOA 3001.03 or PSYO/NESC 2160.03 or permission of the instructor.

CROSS-LISTING: BIOL 4323.03

MARI 4335 Environmental Impacts in Marine Ecosystems

CREDIT HOURS: 3

See course description for OCEA 4335.03, in the Oceanography section of this calendar.

MARI 4369 Fisheries Oceanography

CREDIT HOURS: 3

See course description for OCEA 4160.03, in the Oceanography section of this calendar.

MARI 4370 Deep Sea Biology

CREDIT HOURS: 3

See course description for OCEA 4370.03, in the Oceanography section of this calendar.

MARI 4661 Biological Oceanography

CREDIT HOURS: 3

See course description for OCEA 4140.03, in the Oceanography section of this calendar.

MARI 4662 Biology of Phytoplankton

CREDIT HOURS: 3

See OCEA 4230.03 in the Oceanography section of the calendar.

MARI 4664 History of Marine Sciences

CREDIT HOURS: 3

In this course, we will trace the history of marine sciences from the ancients to the 20th century. Topics may include ancient cosmologies, voyages of discovery, ocean circulation, and a range of scientific perspectives and technological developments that have shaped human understanding of the oceans.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: BIOL 4664.03, OCEA 4331.03/5331.03, HIST 3073.03, HSTC 3331.03, SCIE 4001.03

MARI 4666 Benthic Ecology

CREDIT HOURS: 3

See course description for OCEA 4330.03, in the Oceanography section of this calendar.

MARI 4667 Census of Marine Life

CREDIT HOURS: 3

The Census of Marine Life recorded over 250,000 known species of eukaryotes in the world's oceans. In this course, the Senior Scientist for Census 2010 examines the diversity, distribution and abundance of marine biota globally, and reviews new approaches to discover new species and to monitor responses to climate change.

FORMAT: Lecture| Discussion

PREREQUISITE: BIOL 2003.03 and BIOL 2060.03 (or BIOA 3001.03) and 18 credit hours of BIOL, MARI, or OCEA classes.

CROSS-LISTING: BIOL 4667.03

RESTRICTIONS: This course is restricted to third and fourth year students.

MARI 4806 Special Topics in Marine Biology

CREDIT HOURS: 3

Independent study intended for students who wish to study an area of marine biology not covered in other courses. Students should first consult with a faculty member to arrange the topic of study. An outline of the course content must be approved by the Biology Undergraduate Curriculum Committee Chair.

NOTES: For registration forms and further information go to: <http://biology.dal.ca/Undergraduate/index.htm>

MARI 4807 Special Topics in Marine Biology

CREDIT HOURS: 3

Independent study intended for students who wish to study an area of marine biology not covered in other courses. Students should first consult with a faculty member to arrange the topic of study. An outline of the course content must be approved by the Biology Undergraduate Curriculum Committee Chair.

NOTES: This course is for students who have already completed one Special Topics Course. For registration forms and further information go to:

<http://biology.dal.ca/Undergraduate/index.htm>

MARI 4900X/Y Honours Research and Thesis

CREDIT HOURS: 6

This course is required of, and restricted to, all Marine Biology Honours programs in which Marine Biology is the major area of study. Students conduct a research project supervised by a research scientist and attend weekly meetings of the class.

NOTES: The course grade is based on the results of the research which are submitted in April as an Honours Thesis, an oral presentation about the research to the course, and an oral or poster presentation at the Honours Cameron Conference. Co-op students attend this course by registering for MARI 4901 and MARI 4902. See details about selecting a supervisor for the honours research under the general requirements for MARI honours programs or on the honours page of Biology's website <http://biology.dal.ca/honours/index.htm>

CROSS-LISTING: BIOL 4900X/Y.06

RESTRICTIONS: Honours students are normally in their final year of study.

MARI 4901 Honours Research and Thesis I

CREDIT HOURS: 3

This is required of, and restricted to, all Marine Biology Co-op Honours programs. The course description is the same as for MARI 4900X/Y. Students attend MARI 4901 in the Winter term of their 4th year and MARI 4902 in the Fall term of their 5th year to accommodate their work terms.

NOTES: MARI 4901 and MARI 4902 must be taken in consecutive winter/fall terms to get a grade for either course. No grade will be recorded for MARI 4901 until 4902 is also completed and the final Honours Thesis has been evaluated.

CROSS-LISTING: BIOL 4906.03

EXCLUSIONS: BIOL 4900.06 and MARI 4900.06

MARI 4902 Honours Research Thesis II

CREDIT HOURS: 3

This is the 2nd half of the required course for Marine Biology Co-op honours students. The course description is the same as for MARI 4900X/Y. Students attend 4902 in the fall of their 5th year.

NOTES: MARI 4901 and MARI 4902 must be taken in consecutive winter/fall terms to get a grade for either course. No grade will be recorded for MARI 4901 until 4902 is also completed and the final Honours Thesis has been evaluated.

FORMAT: Seminar

CROSS-LISTING: BIOL 4902

RESTRICTIONS: Students in Marine Biology Co-op Honours Program, usually in their final year of study.

EXCLUSIONS: BIOL 4900.06 and MARI 4900.06

MARI 8891 Co-op Workterm I

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03

MARI 8892 Co-op Workterm 2

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03, MARI 8891.00

MARI 8893 Co-op Workterm 3

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.03, MARI 8892.00

MARI 8894 Co-op Workterm 4

CREDIT HOURS: 0

PREREQUISITE: MARI 8893.00 and SCIE 2800.03

Mathematics and Statistics

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For information concerning programs and courses in Mathematics, please refer to the Mathematics section of this calendar. For Statistics, please refer to the Statistics section.

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Dowd, M., MBA, PhD (Dalhousie)
Faridi, S., MA (Brandeis), PhD (Michigan)
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Herbinger, C., MSc (Paris), PhD (Dalhousie) (jointly with Biology)
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Mitnitski, A., PhD (Leningrad Inst. Mech. Eng.) (cross appointment with Department of Medicine)
Pronk, D., PhD (Utrecht)

Assistant Professor

Kenney, T., PhD (Cambridge)

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Surovell, A., MA (U. Mass), AB (Boston)

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Larsson, U., PhD (Goteburg, Sweden)
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Millar, M., PhD (Dalhousie) Mount St. Vincent
Muir, P., PhD (Toronto) St. Mary's
Ottaway, P., PhD (Dalhousie) Thompson River University
Piccinini, R., PhD (Wisconsin) Dalhousie University
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The Mathematics division offers a full range of programs aimed at students of diverse interests and levels. This includes honours, major, minor and joint degree programs. We work closely with students to choose a program that is the right fit for their interests and goals. Mathematics is a creative activity with its own intrinsic value and beauty. Mathematics also provides a solid foundation for every scientific field. A degree in mathematics can prepare students for a career in academia, industry, management, information technology, banking, teaching, and other areas.

General Interest Courses

We offer a number of courses for students not majoring in Mathematics:

- MATH 1000.03/MATH 1010.03: These core calculus courses are the starting point for any degree program in the sciences.
- MATH 1060.03: This course serves as an introduction to the basic ideas of statistics, through examples drawn from a wide variety of disciplines.
- MATH 1115.03: Linear algebra and calculus are arranged to meet the needs of commerce students, but of interest to anyone wishing a brief introduction to these topics.
- MATH 1215.03: This course emphasizes the application of calculus to the life sciences.
- MATH 2112.03: Whereas calculus deals with continuous phenomena, this course deals with discrete objects, especially varieties of ways to count.
- MATH 2030.03/MATH 2040.03: These courses serve as introductions to matrix theory, linear equations and linear algebra, topics of importance in many fields.
- MATH 2300.03: Topics from science and technology are used to motivate and illustrate basic mathematical tools of linear algebra and calculus. Mathematical software such as Matlab and Maple is also introduced.

Six credit hours of Mathematics or Statistics are required for a BSc degree. The following courses may not be used to satisfy this requirement: MATH 1001.03, MATH 1002.03, MATH 1003.03, MATH 1115.03.

Degree Programs

The Department of Mathematics and Statistics offers the following degree programs in Mathematics

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc (90 credit hour) Minor in Mathematics
- Minor in Mathematics (added to a 120 credit hour degree)

* May be combined with Minor programs from other disciplines

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A BSc degree is the choice of most students in Mathematics; however, a BA degree option is also available for each of the programs listed below. The Departmental requirements for each BA degree program are the same as those of the corresponding BSc degree program; however, students are advised that some of the general College of Arts and Science requirements differ for the BA and BSc degrees. Minors and certificates that can be combined with a BSc degree can also be combined with a BA degree.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Mathematics undergraduate academic advisor. Students who participated in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies.

Students in any Mathematics program are strongly encouraged to include CSCI 1100.03 and CSCI 1101.03 in their programs.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chairperson of Department

Smith, B., MA (Calgary), PhD (Berkeley)

Director of Division

Selinger, P., PhD (Pennsylvania)

Faculty Advisors

Iron, D., PhD (UBC) (Honours) Advisor

Selinger, P., PhD (Pennsylvania) Undergraduate Advisor

BSc (120 credit hour) Concentrated Honours in Mathematics

An Honours degree offers an in-depth preparation in undergraduate mathematics, including an independent research experience. This degree option is recommended for students interested in eventually pursuing graduate studies in mathematics. Honours students complete a minimum of 54 credit hours above the 1000 level in Mathematics with a minimum GPA of 3.0 and write an Honours Comprehensive Examination.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Mathematics should consult with a Mathematics Honours Advisor early in their studies to have their programs approved.

Departmental requirements

The Department offers two Honours streams in Mathematics: (A) Pure Mathematics and (B) Applied Mathematics. Stream A emphasizes the power and beauty of mathematics as an independent academic discipline. Stream B emphasizes the connections between mathematics and other scientific disciplines. Both streams follow the same courses for the first two years. Students decide which stream to pursue during their second year.

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc Concentrated Honours program in Mathematics must complete the following courses:

2000 level

- MATH 2001.03/MATH 2002.03
- MATH 2030.03/MATH 2135.03 and MATH 2505.03
- Twelve additional credit hours in mathematics at or above the 2000 level - not including courses listed below

3000 level

- MATH 3031.03 and MATH 3501.03
- Students in Stream A are required to take MATH 3032.03 and MATH 3502.03
- Students in Stream B are required to take MATH 3080.03 and MATH 3260.03

4000 level

- MATH 4950.03/Honours Research Project
- Twelve additional credit hours at or above the 4000 level

Students in Stream A are advised to include a selection of courses from the following list in their programs:

- MATH 2051.03
- MATH 2113.03
- MATH 3045.03
- MATH 3070.03
- MATH 3080.03
- MATH 3260.03
- MATH 3330.03
- MATH 3360.03

Students in Stream B are advised to include a selection of courses from the following list in their programs:

- MATH 2060.03
- MATH 2300.03
- MATH 3032.03
- MATH 3045.03
- PHYC 3050.03
- MATH 3300.03
- MATH 3330.03
- MATH 3360.03
- MATH 3400.03

- MATH 3502.03
- MATH 3900.03

Honours Comprehensive Examination

The Honours Comprehensive Examination in mathematics consists of a written paper of about 20-30 pages researched and prepared by the student. The topic is decided on in conjunction with the Honours advisor. The paper is also presented to the honours seminar. The work for this paper is done as part of the required course MATH 4950.03 (Honours Research Project).

BSc (120 credit hour) Combined Honours in Mathematics and another subject

Students who wish to study Mathematics in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Mathematics may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject. Students contemplating a Combined Honours program in Mathematics and another subject should bear in mind, however, that the work in either subject may be insufficient for admission to a regular graduate program.

Students planning to enrol in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Mathematics, this requirement is satisfied through MATH 4950.03.

Departmental Requirements

Students in a BSc Combined Honours program in Mathematics and another subject must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. A combined total of 66 credit hours above the 1000 level must be completed in two subjects, with a minimum of 30 credit hours above the 1000 level in each subject.

Mathematics as the primary subject

The Mathematics part of a Combined Honours program in Mathematics and another subject will be designed to suit the needs and interests of the student. However, the program must be approved by a Mathematics Honours Advisor and an Honours advisor from the other subject. Students will normally complete MATH 4950.03 Honours Research Project.

Mathematics as the secondary subject

The Mathematics part of a Combined Honours program in Mathematics and another subject will be designed to suit the needs and interests of the student. However, the program must be approved by a Mathematics Honours Advisor and an Honours advisor from the other subject.

BSc (120 credit hour) Major in Mathematics

The 120 credit hour Major is suited to students who want to focus on Mathematics, but wish to have a program that is somewhat less constrained than the Honours program. Students in a Major program normally choose to concentrate in Pure Mathematics, Applied Mathematics or Mathematics Education.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc Major program in Mathematics must complete the following courses:

2000 level

- MATH 2001.03 and MATH 2002.03
- MATH 2030.03 and MATH 2040.03 (or MATH 2135.03)
- At least one of MATH 2112.03, MATH 2051.03 or MATH 2505.03
- Three additional credit hours in MATH at or above 2000 level

- Three credit hours in a STAT course at or above 2000 level

3000 level

- 24 additional credit hours in MATH at or above the 3000 level. This selection may not include MATH 3700, MATH 3800.

Students wishing to concentrate in Applied Mathematics should choose the additional MATH courses from

- MATH 2060.03/MATH 2080.03
- MATH 2120.03/MATH 3120.03
- MATH 2300.03
- MATH 3210.03
- MATH 3260.03
- MATH 3300.03
- MATH 3330.03
- MATH 3400.03

Students wishing to concentrate in Pure Mathematics should choose the additional MATH courses from

- MATH 2060.03/MATH 2080.03
- MATH 2120.03/MATH 3120.03
- MATH 3031.03/MATH 3032.03
- MATH 3045.03
- MATH 3070.03
- MATH 3080.03

Students contemplating a career in Mathematics Education should choose the additional MATH courses from

- MATH 2051.03
- MATH 2060.03/MATH 2080.03
- MATH 2112.03/MATH 2113.03
- MATH 2300.03
- MATH 3031.03/MATH 3032.03
- MATH 3070.03
- MATH 3080.03
- MATH 3140.03
- MATH 3150.03
- MATH 3300.03
- MATH 3330.03
- MATH 3400.03

BSc or BA (120 credit hour) Double Major in Mathematics and another subject

The Double Major degree program allows students to combine the study of Mathematics with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Mathematics may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

Students enrolled in a Double Major program are advised to review their proposed program of study with advisors in both subject areas.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Double Major program in Mathematics and another subject must complete the following:

Mathematics as the primary subject

Student completing a double major with Mathematics as the primary subject can fulfill the Mathematics requirements by following one of two programs below.

Pure Mathematics

2000 level

- MATH 2001.03 and MATH 2002.03
- MATH 2030.03 and MATH 2040.03 (or MATH 2135.03)
- At least one of MATH 2112.03, MATH 2051.03, MATH 2505.03

3000 level

- 15 additional MATH credit hours at or above the 3000 level. This selection may not include MATH 3700, MATH 3800.

Applied Mathematics

2000 level

- MATH 2001.03
- MATH 2030.03 and MATH 2040.03 (or MATH 2135.03)
- MATH 2120.03 or MATH 2002.03
- MATH 2060.03 or MATH 2080.03

3000 and 4000 level

- MATH 3120.03 or MATH 3260.03
- At least four of MATH 3080.03, MATH 3210.03, MATH 3300.03, MATH 3330.03, MATH 3400.03, MATH 3900.03, MATH 4190.03, MATH 4220.03, MATH 4230.03, MATH 4250.03, MATH 4320.03, MATH 4370.03, MATH 4540.03

Mathematics as the secondary subject

A student enrolled in a Double Major with Mathematics as the secondary subject also fulfills the Mathematics requirements by following one of the programs listed above for a Double Major with Mathematics as the primary subject.

BSc (90 credit hour) Minor in Mathematics

The 90 credit hour Minor in Mathematics is appropriate for students who want to study some Mathematics but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Mathematics. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc in Mathematics is usually the preferred option for students who wish to combine studies in Mathematics with a degree in Engineering (see BSc/BEng Concurrent Program).

See the Minor in Mathematics section of this Calendar.

Minor in Mathematics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

BA or BSc (90 credit hour) degree program with a Minor in Mathematics is also available.

Requirements

- MATH 1000.03: Differential and Integral Calculus I/MATH 1010.03: Differential and Integral Calculus II or MATH 1500.06X/Y: Calculus
- MATH 2001.03: Intermediate Calculus I
- MATH 2030.03: Matrix Theory and Linear Algebra I
- MATH 2120.03: Methods for Ordinary Differential equations
- nine additional credit hours of Math at or above the 2000 level

Bachelor of Science (Agriculture)

This minor is also available to **Bachelor of Science (Agriculture)** students.

15 credit hours including:

- MTHA 4000.03: Agricultural Modeling

12 credit hours courses approved by the Head of the Engineering Department selected from the following:

- MTHA 2000.03: Multivariable Calculus
- MTHA 2001.03: Differential Equations
- MTHA 3000.03: Applied Linear Algebra
- STAA 3000.03: Introduction to Planned Studies: Surveys & Experiments
- STAA 4000.03: Intermediate Statistical Methods
- CSCA 2000.03: Computer Science
- CSCA 3000.03: Data Structures & Numerical Methods
- ECOA 3000.03: Mathematical Economics
- ECOA 3003.03: Mathematical Programming
- ECOA 3006.03: Statistics for Economics & Business
- PHYS 1001.03: Physics for the Life Sciences II
- PHYS 1003.03: Physics II

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Minors available to students in Mathematics

Minor programs allow students to develop subject specialties in addition to their Major or Honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc (120 credit hour) program in Mathematics may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Mathematics, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section of the calendar.

Certificates of particular interest to students enrolled in a BSc in Mathematics include:

- Certificate in Actuarial and Financial Mathematics
- Certificate in Applied and Computational Mathematics

BSc/BEng Concurrent Program

Students interested in combining their interest in Mathematics with a degree in Engineering may choose a BSc/BEng Concurrent Program, normally completed in a 5

year period. Over the first three years, students complete the requirements for a 90 credit hour BSc degree in Mathematics and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Mathematics and from the Faculty of Engineering in their first year of study.

Departmental Requirements

In addition to fulfilling the requirements for a 90 credit hour BSc degree outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in the BSc/BEng Concurrent Program must complete the following Mathematics courses:

Option 1:

- MATH 1000.03/MATH 1010.03 or MATH 1500.06X/Y
- MATH 2001
- MATH 2030
- MATH 2120
- Nine additional credit hours in MATH courses at or above the 2000 level

Option 2:

- ENGM 2022.03, ENGM 2032.03, and ENGM 2101.03
- MATH 2300.03
- At least one of MATH 2051.03, MATH 2112.03, or MATH 2135.03
- Twelve additional credit hours in MATH courses at or above the 3000 level. This selection may not include MATH 3700, MATH 3800.

Please note that all ENGM courses require a minimum grade of B-.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses so designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

Course descriptions for Statistics can be found in the calendar under Statistics.

Credit may not be obtained twice for the same course even if the numbers have been changed.

Courses with the designation (MLC) are supported by the tutorial services of the Math Learning Centre.

The following three courses below the 1000 level are offered by the College of Continuing Education. Students register and pay for them at the College of continuing Education located at 1220 LeMarchant Street, 2nd Floor or by calling (902) 494-2375 (see College of Continuing Education for more details).

Course Descriptions

MATH 0009 Academic Math

CREDIT HOURS: 0

Academic Math has been developed to prepare you for the math involved in non-calculus courses. If you have solid math skills (at least grade 11 academic level) and want to develop them to the university level necessary for entrance to the Faculty of Arts, Bachelor of Commerce, Management, or Nursing programs, this course is designed for you. MATH 0009.00 is accepted by Dalhousie University in place of NS Math 12 Academic.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

TUTORIAL HOURS PER WEEK: 1

PREREQUISITE: At least grade 10 academic math or equivalent

MATH 0010 Pre-Calculus Accelerated

CREDIT HOURS: 0

This single-term accelerated course has been designed for calculus bound students, who have a firm grasp of grade 11 and 12 math skills. Focus is placed on pre-calculus key concepts, assuming students have current knowledge of grade 11 and 12 math concepts. Students requiring review of grade 11 and 12 concepts should take Pre-Calculus Plus (MATH 0011.00). Topics are explored in class following a clear, logical progression, with mastery generally occurring after assignments are completed.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 1

PREREQUISITE: Recommend at least 80% in grade 11 and 12 math

MATH 0011 Pre-calculus Plus

CREDIT HOURS: 0

This full year course has been designed for the majority of students either requiring pre-calculus to gain admittance to the Dalhousie BSc program or as preparation for MATH 1000.03. This course provides a more in depth coverage of math concepts than found in the accelerated 1 term class, and adds a review of relevant 11 and 12 material, as well as a study of area under a curve. Students who have been away from math for 2 or more years, or have a heavy schedule, will find this course a better fit than the accelerated MATH 0010.00. Throughout the course, algebra, and applied geometric problem solving skills needed for calculus, are emphasized.

FORMAT: Lecture| Tutorial

PREREQUISITE: Grade 11 and 12 math or equivalent

MATH 1000X/Y Differential and Integral Calculus I

CREDIT HOURS: 3

This course offers a self-contained introduction to differential and integral calculus. The topics include functions, limits, differentiation of polynomial, trigonometric, exponential and logarithmic functions, product, quotient and chain rules, applications of differentiation, antiderivatives and definite integrals, integration by substitution. A sequel to this course is MATH 1010.03. The XY version of this course covers the same material, but the course duration is spread over the Fall and Winter term. The format of the XY course (1.5 hour workshops twice a week, and the smaller class size) allows for a more interactive learning environment than in a regular lecture format.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Nova Scotia Mathematics advanced 11 and 12 or pre-calculus. Pre-calculus is highly recommended.

EXCLUSIONS: MATH 1215.03, MATH 1280.03, MATH 1500X/Y.06

MATH 1010 Differential and Integral Calculus II

CREDIT HOURS: 3

A continuation of the study of calculus with topics including: Riemann sums, techniques of integration, elementary differential equations and applications, parametric equations and polar coordinates, sequences and series, Taylor series.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03, or MATH 1215.03 with a grade of B or better

MATH 1060 Introductory Statistics for Science and Health Sciences

CREDIT HOURS: 3

See course description for STAT 1060.03 in the Statistics section of this calendar.

MATH 1115 Mathematics for Commerce

CREDIT HOURS: 3

An introduction to matrices, linear programming, mathematics of finance, probability and differential calculus. All topics are taught with an emphasis on applications to business. This course cannot be used to partially satisfy the BSc Mathematics requirement.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Nova Scotia Advanced Mathematics 11 or 12 or equivalent

EXCLUSIONS: MATH 1110.03, MATH 1120.03

MATH 1215 Life Sciences Calculus

CREDIT HOURS: 3

This course emphasizes the application of calculus to the life sciences. The concepts and content studied include derivatives, techniques of differentiation, logarithmic and exponential functions, optimization, basic ordinary differential equations, integration, and techniques and applications of integration.

NOTES: Students who have already received credit for MATH 1215.03 cannot subsequently receive credit for MATH 1115.03.

FORMAT: Lecture| Tutorial

PREREQUISITE: Nova Scotia Mathematics 11 and 12 or pre-calculus is highly recommended.

EXCLUSIONS: MATH 1000.03, MATH 1500X/Y.06

MATH 1280 Engineering Mathematics I

CREDIT HOURS: 3

This forms an introduction to differential and integral calculus for Engineering students. All topics of MATH 1000.03 are covered, but in greater depth. In addition, this course covers functions, differentiation of polynomial, trigonometric, exponential and logarithmic functions, product, quotient and chain rules, Taylor series, antiderivatives and definite integrals, Riemann sums, polynomial approximations, and numerical approximations of integrals.

NOTES: Students who have already received credit for MATH 1280.03 cannot subsequently receive credit for MATH 1000.03 or MATH 1115.03

FORMAT: Lecture| Tutorial

PREREQUISITE: Nova Scotia Mathematics advanced 11 and 12 or pre-calculus. Pre-calculus is highly recommended.

EXCLUSIONS: MATH 1000.03, MATH 1215.03

MATH 1290 Engineering Mathematics II

CREDIT HOURS: 3

This course is a sequel to MATH 1280. All topics of MATH 1010.03 are covered, but in greater depth. This course also introduces the students to the application of mathematics in engineering problems.

NOTES: 1: Students who have already received credit for MATH 1290.03 cannot subsequently receive credit for MATH 1010.03 2: MATH 1010.03 is not equivalent to MATH 1290.03

FORMAT: Lecture| Tutorial

PREREQUISITE: MATH 1280.03

MATH 1500X/Y Calculus

CREDIT HOURS: 6

This course is intended primarily for students who are considering a majors or an honours program in the physical or mathematical sciences. The topics of MATH 1000/MATH 1010 are covered, but in greater depth. MATH 1500 is equivalent as a credit to MATH 1000/MATH 1010.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Nova Scotia Mathematics advanced 11 and 12 or pre-calculus. Pre-calculus is highly recommended.

EXCLUSIONS: Credit can be given for only one of MATH 1000/MATH 1010 and MATH 1500.

MATH 2001 Intermediate Calculus I

CREDIT HOURS: 3

Topics include review of parametric equations, polar coordinates, conic sections, coordinate systems and vectors, dot product and cross product, vector functions, derivatives and integrals of vector functions, arc length and curvature, functions of several variables and partial derivatives, directional derivatives and double and triple integrals.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1010.03

MATH 2002 Intermediate Calculus II

CREDIT HOURS: 3

Topics include multiple integrals and changes of variables, and vector calculus, with an emphasis on Green's and Stokes' theorems. The course also includes an introduction to second order ordinary differential equations.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2001.03

MATH 2030 Matrix Theory and Linear Algebra I

CREDIT HOURS: 3

This course is a self-contained introduction to Matrix Theory and Linear Algebra. Topics include: subspaces, linear transformations, determinants, eigenvalues and eigenvectors, systems of linear equations. Students should note that this is a second-year course and, although it has no formal first-year prerequisites, certain mathematical maturity is expected.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Nova Scotia advanced Mathematics 11 or 12

MATH 2040 Matrix Theory and Linear Algebra II

CREDIT HOURS: 3

This course is a continuation of MATH 2030.03. Topics include: vector spaces and linear transformations, eigenvalues and eigenvectors, similarity and diagonalization, inner product spaces and orthogonal transformations, diagonalization of symmetric matrices and quadratic forms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2030.03, and MATH 1000.03 or MATH 1500X/Y.06 or MATH 1215.03

EXCLUSIONS: MATH 2135.03

MATH 2051 Problems in Geometry

CREDIT HOURS: 3

This is a basic course for all students interested in geometry. Topics from Euclidean and non-Euclidean geometry may include: transformation geometry, symmetry groups, frieze groups, wallpaper groups and the crystallographic restrictions, similarities; projective geometry and the classical theorems of Menelaus, Ceva, Desargues, Pappus, Pascal; hyperbolic geometry.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1010.03 or MATH 1500X/Y.06

MATH 2060 Introduction to Probability and Statistics

CREDIT HOURS: 3

See course description for STAT 2060.03 in the Statistics section of this calendar.

MATH 2080 Statistical Methods For Data Analysis and Inference

CREDIT HOURS: 3

See course description for STAT 2080.03 in the Statistics section of this calendar.

MATH 2112 Discrete Structures I

CREDIT HOURS: 3

This course together with MATH 2113.03 offers a survey of the following areas: set theory, mathematical induction, number theory, relations, functions, algebraic structures and introductory graph theory. The topics to be discussed are fundamental to most areas of Mathematics and have wide applicability to Computer Science.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Nova Scotia Mathematics 441 or equivalent

CROSS-LISTING: CSCI 2112.03

MATH 2113 Discrete Structures II

CREDIT HOURS: 3

This course continues CSCI 2112.03/MATH 2112.03. This course covers some basic concepts in discrete mathematics which are of particular relevance to students of computer science, engineering, and mathematics. The topics to be covered will include solution of recurrence relations, generating functions, number theory, Chinese remainder theorem, trees and graphs, finite state machines, abstract algorithms, Boolean algebra.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CSCI 2112.03 or MATH 2112.03

CROSS-LISTING: CSCI 2113.03

MATH 2120 Methods for Ordinary Differential Equations

CREDIT HOURS: 3

A comprehensive introduction to the theory of ordinary differential equations (ODEs), which is a broad field in pure and applied mathematics with numerous applications in other sciences. The topics include: special types of ODEs of 1st order, homogeneous and inhomogeneous linear ODEs with constant coefficients, Laplace transforms, systems of ODEs.

COREQUISITE: MATH 2030.03

PREREQUISITE: MATH 1010.03 or MATH 1500X/Y.06 or permission of the instructor

MATH 2135 Linear Algebra

CREDIT HOURS: 3

This course is a continuation of MATH 2030.03 with an emphasis on foundations and the theory of vector spaces and linear transformations. Additional topics include inner product spaces, symmetric and orthogonal transformations, bilinear forms, similarity and diagonalization, the solution of linear differential equations, and various applications in mathematics, physics and computer science.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2030.03 and MATH 1000.03

EXCLUSIONS: MATH 2040.03

MATH 2300 Mathematical Modelling

CREDIT HOURS: 3

By using fundamental calculus concepts in a modelling framework, the student investigates practical problems chosen from common experiences encompassing many academic disciplines, including the mathematical sciences, operations research, engineering and the management and life sciences. A significant part of the course is learning to use MAPLE as a mathematical tool.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: MATH 2030.03

PREREQUISITE: MATH 1000.03

CROSS-LISTING: STAT 2300.03

MATH 2505 Introductory Analysis

CREDIT HOURS: 3

This course is for honours students and other serious students of mathematics. Topics include: the axioms for the real number system, geometry and topology of Euclidean space, limits, continuity, differentiability, the inverse and implicit function theorems.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2001.03

MATH 2600 Theory of Interest and Life Contingencies

CREDIT HOURS: 3

Simple and compound interest are covered in detail. Topics include: nominal and effective rates of interest/discount, force of interest, annuities, perpetuities, and bonds.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1010.03, MATH 1115.03 or MATH 1215.03

CROSS-LISTING: STAT 2600.03

MATH 3030X/Y Abstract Algebra

CREDIT HOURS: 6

In this first course in abstract algebra the following topics are treated: groups, subgroups, factor groups, homomorphisms, rings, ideals, Euclidean domains, polynomial rings, fields, unique factorization, irreducible polynomials, Sylow theorems, solvability of polynomial equations, Galois theory, and the Jordan canonical form.

NOTES: MATH 3030X/Y.06 is equivalent as a credit to MATH 3031.03 and MATH 3032.03

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2040.03 or MATH 2135.03

EXCLUSIONS: MATH 3031.03, MATH 3032.03

MATH 3031 Abstract Algebra I

CREDIT HOURS: 3

Groups, subgroups, permutation groups, cosets, direct products, fundamental theorem of finitely generated abelian groups, simple groups, group homomorphisms, factor groups, isomorphism theorems of groups, series of groups, Sylow theorems and applications. Additional topics may include free groups, group actions, and groups in Topology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2040.03 or MATH 2135.03

EXCLUSIONS: MATH 3030X/Y.06

MATH 3032 Abstract Algebra II

CREDIT HOURS: 3

Rings, fields, integral domains, Fermat's theorem, Euler's theorem, ideals, quotient rings, prime and maximal ideals, factorization of polynomials, Grobner bases, Unique Factorization Domains, Euclidean Domains and Gaussian integers, and applications as time allows.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3031.03

EXCLUSIONS: MATH 3030X/Y.06

MATH 3045 Curves and Surfaces

CREDIT HOURS: 3

The course is designed as an introduction to differential geometry, the study of geometric objects by means of analysis. It presents a comprehensive study of curves and surfaces in Euclidean space. Topics include: Frenet frame and equations, curvature, torsion, first and second fundamental forms, shape operator, Gauss-Weingarten equations.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2002.03 and (MATH 2040.03 or MATH 2135.03) or consent of instructor

MATH 3070 Theory of Numbers

CREDIT HOURS: 3

Topics include: congruences and residues; elementary properties of congruences, linear congruences, theorems of Fermat, Euler and Wilson, Chinese remainder theorem, quadratic residues, law of quadratic reciprocity, Legendre, Jacobi and Kronecker symbols, arithmetic functions, algebraic fields, algebraic numbers and integers, uniqueness of factorization, elementary properties of ideals, and class number.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2040.03 (or MATH 2135.03)

MATH 3080 Introduction to Complex Variables

CREDIT HOURS: 3

An introduction to the basic elements of complex analysis. Topics include: complex numbers, functions, differentiation and integration in the complex plane, some special mappings, series in general, Taylor and Laurent Series, residues, some principles of conformal mapping theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2002.03

MATH 3120 Differential Equations

CREDIT HOURS: 3

The topics discussed are of great importance to any student interested in applied mathematics. Areas include Fourier series, orthogonal polynomials, Sturm-Liouville problems, the classical partial differential equations, and some applications to physics, chemistry and engineering.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2120.03 or MATH 2135.03 or PHYC 2140.03

MATH 3140 Introduction to Wavelets

CREDIT HOURS: 3

Wavelet analysis provides an extremely powerful and highly flexible tool for the compression, denoising, and recognition of both audio and image signals. This course will develop many of the essential mathematical ideas behind Fourier analysis and wavelets. Many applications will also be discussed and examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2002.03 and MATH 2030.03

MATH 3210 Introduction to Numerical Analysis

CREDIT HOURS: 3

This course covers the practice as well as theory of basic numerical techniques. Topics may include: root finding, interpolation, integration, initial value problems, linear and nonlinear fitting, boundary value problems. We will emphasize error analysis and stability of methods, as well as practical implementation on a computer.
PREREQUISITE: MATH 2001.03 or (MATH 2120.03 and MATH 2030.03)

MATH 3260 Applied Differential Equations

CREDIT HOURS: 3

This course provides an introduction to a variety of mathematical techniques that are used in modelling real-world problems. Topics may include: population dynamics and hysteresis; diffusion, the heat kernel and Fourier series; spread of disease and phase plane analysis; networks, image processing and spectral clustering; delay differential equations; traffic modelling, first order PDE's and method of characteristics; and numerical schemes for differential equations.

PREREQUISITE: MATH 2120.03.03 or MATH 2135.03 or PHYC 2140.03 or consent of the instructor

MATH 3300 Optimization

CREDIT HOURS: 3

An introduction to the concepts and applications of linear programming. Topics include the simplex method for linear programming, duality and sensitivity analysis. Some of these topics are illustrated by means of interactive computer packages.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2030.03

MATH 3330 Applied Graph Theory

CREDIT HOURS: 3

This course offers an introduction to graph theory, with an emphasis on applications and modelling. Topics include: paths and cycles, shortest route problem, connectivity and trees, minimum spanning trees, network flow, planar graphs, matchings, assignment problem, graph colouring and applications to scheduling, Hamilton cycles, and the Travelling Salesman Problem.

PREREQUISITE: MATH 2112.03 or MATH 2030.03

MATH 3340 Regression and Analysis of Variance

CREDIT HOURS: 3

See course description for STAT 3340.03 in the Statistics section of this calendar.

MATH 3350 Design of Experiments

CREDIT HOURS: 3

See course description for STAT 3350.03 in the Statistics section of this calendar.

MATH 3360 Probability

CREDIT HOURS: 3

See course description for STAT 3360.03 in the Statistics section of this calendar.

MATH 3380 Sample Survey Methods

CREDIT HOURS: 3

See course description for STAT 3380.03 in the Statistics section of this calendar.

MATH 3400 Classical Game Theory

CREDIT HOURS: 3

This course will cover the important concepts of classical game theory: game trees, dominance, zero-sum games, saddle points, utility theory, non-zero sum games, Nash equilibrium, non-competitive solutions, Prisoner's dilemma, Chicken, Newcomb's problem. There will be applications to many areas including anthropology, biology, business, economics and philosophy.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2030.03, or permission of the instructor

MATH 3460 Intermediate Statistical Theory

CREDIT HOURS: 3

See course description for STAT 3460.03 in the Statistics section of this calendar.

MATH 3500X/Y Intermediate Analysis

CREDIT HOURS: 6

MATH 3500.06 continues the analysis sequence begun in MATH 2505.03. Topics include: number systems, metric spaces, compactness, continuous functions on metric spaces, Stone-Weierstrass theorem, Arzela-Ascoli theorem, sequences and series of functions and their properties, inverse and implicit function theorems, extrema, co-ordinate transformations.

NOTES: MATH 3500X/Y.06 is equivalent as credit to MATH 3501.03 and MATH 3502.03.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2135.03, 2505.03

EXCLUSIONS: MATH 3501.03, MATH 3502.03

MATH 3501 Intermediate Analysis I

CREDIT HOURS: 3

MATH 3501.03 continues the analysis sequence begun in MATH 2505.03. Topics include: Metric spaces, point-set topological notions, sequences, completeness, separability, compactness (Heine-Borel, Bolzano-Weierstrass, Finite Intersection, complete and totally bounded), limits and continuity, continuity in topological terms, connectedness, path and local-path connectedness, homeomorphisms, uniform continuity, Lipschitz continuity, contractions, contraction principle, sequences of functions, uniform convergence. Further topics may include: Arzela-Ascoli theorem, Stone-Weierstrass theorem.

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 2135.03, MATH 2505.03
EXCLUSIONS: MATH 3500X/Y.06

MATH 3502 Intermediate Analysis II

CREDIT HOURS: 3

Topics include: The full derivative for functions between Euclidean spaces, directional derivatives, Jacobian matrix, differentiability, C1 functions, multilinear maps, higher derivatives, Taylor's theorem, extrema, inverse and implicit function theorems, extrema subject to constraints, Lagrange multipliers. Further topics may include: normed vector spaces and basic functional analysis, basic theory of manifolds in \mathbb{R}^n , Fourier series.

PREREQUISITE: MATH 3501.03

EXCLUSIONS: MATH 3500X/Y.06

MATH 3700 Mathematics for Economists

CREDIT HOURS: 3

See course description for ECON 3700 in the Economics section of this calendar.

MATH 3800 Financial Economics

CREDIT HOURS: 3

See course description for ECON 3800.03 in the Economics section of this calendar.

MATH 3900 Financial Mathematics

CREDIT HOURS: 3

This course is an introduction to derivative pricing. Topics include: binomial tree model, stochastic calculus, Itô calculus, Black-Scholes model, market price of risk, log-normal models.

PREREQUISITE: MATH 2060.03 and (MATH 2120.03 or MATH 2135.03), or permission of the instructor

CROSS-LISTING: ECON 3900.03

MATH 4001 AARMS Summer School I

CREDIT HOURS: 3

A Topics class given by leading researchers in the precise field, which varies from year to year. Consult the Department for current details.

FORMAT: Lecture

PREREQUISITE: Permission of the Honours Advisor

CROSS-LISTING: STAT 4001.03

MATH 4002 AARMS Summer School II

CREDIT HOURS: 3

A Topics class given by leading researchers in the precise field, which varies from year to year. Consult the Department for current details.

FORMAT: Lecture

PREREQUISITE: Permission of the Honours Advisor

CROSS-LISTING: STAT 4002.03

MATH 4010 Introduction to Measure Theory and Integration

CREDIT HOURS: 3

Lebesgue's theory of measure and integration. The topics include: sigma-algebras, measures, construction of measures, Lebesgue measure on the real line, measurable functions, the Lebesgue integral and convergence theorems, L_p spaces, product measures and the Fubini-Tonelli theorem.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3501.03

CROSS-LISTING: MATH 5010.03

MATH 4020 Analytic Function Theory

CREDIT HOURS: 3

Topics include: review of analytic complex functions including topological properties of the plane, Möbius mappings, exponential, logarithmic, trigonometric and related functions, integration and the Cauchy theorem. Cauchy's integral formula, residues, harmonic functions, analytic continuation, entire and meromorphic functions, some results of conformal mapping, including the Riemann mapping theorem.

PREREQUISITE: MATH 2002.03 (MATH 3080.03 recommended)

CROSS-LISTING: MATH 5020.03

MATH 4025 Commutative Algebra I

CREDIT HOURS: 3

This introduction to commutative algebra includes a selection of the following topics: prime and maximal ideals, primary decomposition, Noetherian rings, Hilbert's Basis Theorem and the Nullstellensatz.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3032.03

CROSS-LISTING: MATH 5025.03

MATH 4035 Topics in Commutative Algebra

CREDIT HOURS: 3

This course covers special topics in commutative algebra.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 4045.03 or permission of the instructor
CROSS-LISTING: MATH 5035.03

MATH 4045 Advanced Algebra I

CREDIT HOURS: 3
Introduction to module theory: modules, submodules, quotient modules, module homomorphisms, generators for modules, direct sums, free modules, tensor products, exact sequences, projective modules, injective modules, and flat modules. Modules over principal ideal domains. Additional topics may include homological algebra, Ext and Tor Functors, symmetric and exterior algebras.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 3032.03
CROSS-LISTING: MATH 5045.03

MATH 4055 Advanced Algebra II

CREDIT HOURS: 3
Field theory, field extensions, Galois theory and applications.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 3032.03
CROSS-LISTING: MATH 5055.03

MATH 4065 Algebraic Geometry

CREDIT HOURS: 3
This is a first course in algebraic geometry and will introduce students to the basic properties of affine and projective varieties. Topics covered will include a selection from: local properties of plane curves, elliptic curves, Bezout's Theorem, Riemann-Roch Theorem.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 3032.03
CROSS-LISTING: MATH 5065.03

MATH 4066 Advanced Statistical Theory I

CREDIT HOURS: 3
See course description for STAT 4066.03 in the Statistics section of this calendar.

MATH 4070 Algebraic Number Theory

CREDIT HOURS: 3
An introduction to algebraic number theory, with special emphasis on quadratic and cyclotomic fields. A more general study of rings of integers of algebraic number fields focuses on divisibility properties. Other topics include Dedekind domains, ideals and their factorization into prime ideals, and class groups and class numbers.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 3032.03 (MATH 3070.03 recommended)
CROSS-LISTING: MATH 5070.03

MATH 4116 Cryptography

CREDIT HOURS: 3
This course is an introduction to modern cryptographic techniques and its mathematical foundations. The material covered includes: elementary number theory and algebra, classical cryptosystems, probability, the Data Encryption Standard, prime number generation and primality tests, public key cryptosystems, and further applications, such as digital signatures and identification.
PREREQUISITE: MATH 1000.03, MATH 1010.03, MATH 2030.03, and at least six additional credit hours in Mathematics beyond the first year, or permission of the instructor.
CROSS-LISTING: CSCI 4116.03

MATH 4130 Design and Analysis of Algorithms II

CREDIT HOURS: 3
See course description for CSCI 4113.03 in the Computer Science section of this calendar.

MATH 4135 Introduction to Category Theory

CREDIT HOURS: 3
Categories, functors, natural transformations and adjointness are introduced with emphasis on examples drawn from undergraduate Mathematics and theoretical Computer Science. The calculus of diagram chasing, limits, colimits and Kan extensions is explored in detail.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: MATH 3031.03 and MATH 3501.03 or permission of the instructor.
CROSS-LISTING: MATH 5135.03

MATH 4136 Topics in Category Theory

CREDIT HOURS: 3
Topics of current interest in category theory will be discussed with an emphasis on open problems. No previous knowledge of category theory is required. The necessary concepts will be discussed in the context of their applications. However, a certain familiarity with the basic concepts of modern mathematics such as found in courses on algebra and topology would be an asset.
PREREQUISITE: MATH 3031.03 and consent of instructor
CROSS-LISTING: MATH 5136.03

MATH 4140 Introduction to Functional Analysis

CREDIT HOURS: 3

An introduction to the basic principles of functional analysis including the following topics: infinite dimensional vector spaces, normed spaces, inner-product spaces, Banach and Hilbert spaces, linear and continuous linear functionals, the Hahn-Banach Theorem, the principle of uniform boundedness, dual spaces, weak* topology, and the Alaoglu theorem, the open mapping and closed graph theorems, and consequences and applications.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3502.03

CROSS-LISTING: MATH 5140.03

MATH 4165 Mathematical Methods in Physics

CREDIT HOURS: 3

Complex variables and applications including solutions to Laplace equation, ideal fluid flow and Joukowski airfoil. Fourier series and generalizations; separation of variables; completeness. Green's functions in one and two dimensions. Asymptotic evaluation of integrals and special functions. Plus some additional topics in mathematical physics.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3120.03 or MATH 3260.03 or permission of instructor.

CROSS-LISTING: PHYC 4160.03, PHYC 5160.03, MATH 5165.03

MATH 4170 General Topology

CREDIT HOURS: 3

An introduction to topological spaces that includes the following topics: classification in terms of cardinality of bases, separation, etc., product spaces, Tychonoff theorem, compactness, compactifications, Tychonoff spaces, metrization.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3502.03

CROSS-LISTING: MATH 5170.03

MATH 4175 Topics in Mathematical Physics

CREDIT HOURS: 3

This course is a continuation of MATH 4165.03 and deals with special topics in mathematical physics selected from areas such as the Green's function technique for solving ordinary and partial differential equations, scattering theory and phase shift analysis, diffraction theory, group theory, tensor analysis and general relativity.

PREREQUISITE: MATH 4165.03

CROSS-LISTING: PHYC 4170.03, PHYC 5170.03

MATH 4180 Introduction to Algebraic Topology

CREDIT HOURS: 3

An introduction to algebraic topology including the following topics: the definitions, properties and methods of computation of the fundamental group of a topological space; simplicial, singular and cellular homology groups; basic properties and methods of computation of homology groups; a selection of application such as the classification of surfaces and fixed point theorems.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2505.03, MATH 4170.03

CROSS-LISTING: MATH 5180.03

MATH 4190 Ordinary Differential Equations

CREDIT HOURS: 3

A graduate-level introduction to ordinary differential equations. Topics covered include flows, existence and uniqueness theorems, continuity of solutions, coordinate transformations, symmetry methods and reductions, linearization of dynamical systems, and ODEs on manifolds.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: (MATH 3120.03 or MATH 3260.03) and MATH 2505.03 or permission of the instructor

CROSS-LISTING: MATH 5190.03

MATH 4200 Ordinary Differential Equations - Qualitative Theory

CREDIT HOURS: 3

Qualitative theory is concerned with determining the behaviour of solutions of differential equations without finding explicit solutions. Topics are selected from Liapunov stability theory, stable and unstable manifolds of singular points and periodic solutions, classification of plane singular points, structural stability and Hamiltonian systems. Other topics at the instructor's discretion.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 4190.03

CROSS-LISTING: MATH 5200.03

MATH 4220 Introduction to Partial Differential Equations

CREDIT HOURS: 3

This course is a basic introduction to the theory of partial differential equations. Topics covered include: modelling physical systems, method of characteristics, Laplace, wave and heat equations, separation of variables, eigenfunction expansions, integral transforms, maximum principles and Ritz-Raleigh theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3120.03 or MATH 3260.03 or permission of instructor

CROSS-LISTING: MATH 5220.03

MATH 4230 Partial Differential Equations

CREDIT HOURS: 3

This course will provide students with an introduction to advanced topics in partial differential equations in a variety of settings. Topics may include: reaction diffusion systems, pattern formation, numerical methods, applications to physical sciences, variational methods, Sobolev Theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3120.03 or MATH 3260.03 or permission of the instructor

CROSS-LISTING: MATH 5230.03

MATH 4250 Asymptotic Analysis

CREDIT HOURS: 3

Most mathematical models of physical systems cannot be solved exactly. Often such systems have a naturally occurring small parameter which may be exploited using asymptotic analysis techniques. In this course, we will study a variety of physical systems which illustrate many of the common approaches used in asymptotic analysis. Focus will be on applications to ordinary and partial differential equations.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2030.03 and (MATH 3120.03 or MATH 3260.03), or permission of the instructor

CROSS-LISTING: MATH 5250.03

MATH 4320 Combinatorial Optimization

CREDIT HOURS: 3

Various graph algorithms will be presented and analyzed. Specifically we will treat the algorithms for the problems: minimum spanning tree, shortest path, maximal flow, minimum cost flow, maximum matching. For each problem, various algorithms will be presented and compared. The link with Linear Programming, especially LP-Duality, will receive special attention.

PREREQUISITE: MATH 2030.03, some knowledge of linear programming and the theory of algorithms is recommended.

CROSS-LISTING: MATH 5320.03

MATH 4330 Topics in Graph Theory

CREDIT HOURS: 3

This course is intended for math and computer science students. Items to be selected from the following topics: graphs and matrices, graphs and groups, network analysis, extremal graph theory, enumeration problems, and algebraic methods in graph theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3330.03 or CSCI 3110.03 or permission of the instructor

CROSS-LISTING: MATH 5330.03, CSCI 4115.03

MATH 4340 Discrete Random Structures

CREDIT HOURS: 3

This course will cover basics of probability and stochastic processes, and then focus on areas where probability and combinatorics interact. Topics include: probabilistic method, stochastic graph models for complex networks, probabilistic algorithms. Probabilistic techniques include: expectation and concentration of random variables, stochastic processes, conditional expectation, Markov chains, martingales, branching processes.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 4330.03/MATH 5330.03 or MATH 2113.03 or permission from the instructor

CROSS-LISTING: MATH 5340.03

MATH 4360 Combinatorial Modelling

CREDIT HOURS: 3

This course introduces a common framework for combinatorial structures (graphs, digraphs, hypergraphs, posets, preorders, lattices, finite topologies, simplicial complexes), with an emphasis on how to model these structures with other fields of mathematics, such as matrix theory and linear algebra, commutative algebra, topology, analysis, probability and logic.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2060.03 and MATH 3032.03 or permission of the instructor.

CROSS-LISTING: MATH 5360.03

MATH 4370 Combinatorics: Techniques and Structures

CREDIT HOURS: 3

We introduce counting techniques and combinatorial structures, and show their application and use in all branches of mathematics. Counting techniques include combinations and permutations, the pigeonhole principle, inclusion/exclusion. Advanced techniques include recurrence relations, generating functions and power series. Structures include partial orders, set systems and transversals, and finite geometries

FORMAT: Lecture

PREREQUISITE: MATH 2112.03 or MATH 2051.03 or MATH 3070.03 or MATH 3330.03

CROSS-LISTING: MATH 5370.03

MATH 4410 Cosmology

CREDIT HOURS: 3

A self-contained introduction to cosmology will be given and no prior knowledge of differential geometry or general relativity will be assumed (although some knowledge of elementary differential equations will be useful). A cosmological model is a model of the universe, as a whole, on the largest scales; the emphasis of the course will be on the modelling aspects of cosmology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's permission
CROSS-LISTING: MATH 5410.03, PHYC 4660.03/PHYC 5660.03

MATH 4500 Introduction to Harmonic Analysis

CREDIT HOURS: 3

This course covers the basic elements of L_p -spaces, convolution, interpolation, maximal functions, Fourier analysis of functions, and the theory of generalized functions, or distributions. Further topics may include L_2 -Sobolev spaces, boundary values of harmonic functions, spherical harmonics, singular integral operators, or multipliers.

FORMAT: Lecture

PREREQUISITE: MATH 4010.03/MATH 5010.03, or MATH 3502.03 with permission of instructor

CROSS-LISTING: MATH 5500.03

MATH 4530 Differential Geometry

CREDIT HOURS: 3

This course is a self-contained introduction to manifold theory. Topics include: elements of surface theory, the tangent space, vector fields, differential forms and more general tensors, the Lie derivative, connections, Riemannian geometry, applications in mechanics and general relativity.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3045.03 or MATH 3502.03 or permission of the instructor

CROSS-LISTING: MATH 5530.03

MATH 4540 Applied Analysis

CREDIT HOURS: 3

This course is an introduction to the methods of modern applied analysis. This course is suitable for advanced undergraduate and graduate students. The topics include classification of planar dynamical systems, nonlinear dynamics, and equilibria, global nonlinear techniques, closed orbits and limit cycles. Calculus of Variations: first and second variations, symmetries, conservation laws and Noether's theorem, Hamiltonian formalism. Time permitting, other topics in Applied Analysis such as tensor calculus will be covered.

FORMAT: Lecture

PREREQUISITE: (MATH 3120.03 or MATH 3260.03) and MATH 3501.03, or consent of instructor

CROSS-LISTING: MATH 5540.03

MATH 4650 General Relativity

CREDIT HOURS: 3

A review of differential geometry will be given followed by an introduction to the general theory of relativity. Various topics will be discussed, including: linearized theory and gravitational radiation, spherically symmetric metrics and the Schwarzschild solution, gravitational collapse, black holes, and cosmology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3045.03 or permission of the instructor

CROSS-LISTING: MATH 5650.03, PHYC 4650.03/PHYC 5650.03

MATH 4660 Theory of Computation

CREDIT HOURS: 3

See course description for CSCI 4112.03 in the Computer Science section of this calendar.

MATH 4680 Topics in Logic and Computation

CREDIT HOURS: 3

This course covers topics of current interest in logic and/or the foundations of computation. Suitable topics include: formal logic, soundness and completeness, Gödel's incompleteness theorem, formal set theory, the Zermelo-Fraenkel axioms, non-standard models, independence of axioms, lambda calculus and foundations of functional programming languages, proof theory, semantics.

NOTES: Please consult the instructor for the topics offered in a particular year. This course is suitable for advanced undergraduates and graduate students from both mathematics and computer science.

FORMAT: Seminar

PREREQUISITE: MATH 3030X/Y.06 or MATH 3500X/Y.06, or CSCI 3110.03 and CSCI 3136.03, or permission of the instructor.

Suggested prerequisites for math students are algebra or analysis at honours undergraduate level. Students from computer science should be familiar with formal language theory and concepts of programming languages. All students should be comfortable with writing mathematical proofs. When in doubt about prerequisites, please consult the instructor.

CROSS-LISTING: MATH 5680.03

MATH 4800 Introduction to Mathematical Research

CREDIT HOURS: 3

This course is intended to introduce students to the science and methodology of research in the mathematical sciences. The course will be organized around topics from a wide spectrum of mathematics from which students will be guided to investigate open problems. Conjectures will be formulated and evidence will be developed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3031.03 and MATH 3501.03, or permission of the instructor

MATH 4900 Combinatorial Game Theory

CREDIT HOURS: 3

This course looks at 2-player games of strategy where there are no chance devices and both players have perfect information. The surprising mathematical structure underlying these games will be introduced along with the evaluation scheme and its application to specific hot, all-small and impartial games.

PREREQUISITE: (MATH 2040.03 or MATH 2135.03) and MATH 2002.03

CROSS-LISTING: MATH 5900.03

MATH 4950 Honours Research Project

CREDIT HOURS: 3

A requirement for the mathematics honours degree, this course consists of a supervised research project culminating in a written report and an oral presentation in the honours seminar. Enrolment must be approved by the mathematics honours coordinator.

NOTES: Students are required to take twelve additional credit hours at or above the 4000-level in addition to this one.

Medical Sciences

Location:

Building/Room: Life Sciences Centre (Biology)

Street Address 1: 8th Floor, Room 821

Street Address 2: 1355 Oxford Street

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-7462 or (902) 494-1623

Fax: (902) 494-1123

Website: www.dal.ca/medsciences

Email Address: medsci@dal.ca

Introduction

The Medical Sciences program is a new program at Dalhousie aimed at students who wish to initiate studies in medical science as undergraduates. The program will introduce students to subjects such as human anatomy and physiology, neuroscience, epidemiology and medical ethics.

In the first two years of the program, students will take core courses in Biology, Chemistry, Math, Biochemistry, Neuroscience, Physiology, Microbiology, Sociology of Health, and Psychology. These courses will not only provide a solid background in basic sciences, but will prepare students for admission tests for various medical sciences disciplines (such as the MCAT), meet (or exceed) the early pre-requisites for acceptance into medically related professional faculties (such as Medicine, Dentistry, and Pharmacy) locally and across the country, and meet (or exceed) the early pre-requisites required for acceptance into biomedical sciences graduate programs at Dalhousie and across the country. In their third and fourth years, students take core and elective courses in various subjects within the medical sciences. Students will graduate with a broad biomedical science background that will prepare them for a variety of clinical/professional programs, graduate school, or employment in the biotechnology industry or government.

Career path advising and the course selection process are critical to the success of the Medical Sciences undergraduate program. In addition to guidance with respect to professional schools and their entry requirements, academic advising is provided so that students are aware of what courses are required should they want to enter graduate programs in the various biomedical science disciplines. Opportunities are available to concentrate in areas of special interest (e.g., Immunology, Microbiology, Pharmacology). In addition, students may choose to loop out and join the undergraduate programs in Biology, Biochemistry & Molecular Biology, Microbiology & Immunology, or Psychology & Neuroscience, if that better suits their interests or career goals.

Degree Programs

The core required courses not only provide a broad background in biomedical science but they are also designed to meet prerequisites of more advanced selectives and to provide a guided learning experience through the program content.

The program also includes "Selective" courses in a number of relevant biomedical fields (a selective is a course from a predetermined list provided by the program - see below). Students will be encouraged to choose their selective courses carefully such that they result in more specialized education in a particular area of emphasis (in Immunology or Biochemistry, for example). This will allow them to take advanced courses in the chosen area in their fourth year, to pursue Honour's research if they wish, and to be excellent candidates for graduate programs in a specialized field at Dalhousie or elsewhere in Canada.

The program includes 21 credit hours in open "Electives", which allows students to take any course offered at Dalhousie (at the appropriate level). Students will be encouraged to fulfill the Writing requirement using one or both of the Electives in the first year. Students can fill the elective slots with selectives if they wish; the reverse will not be allowed.

NOTE: Most second and third year core courses in the Medical Sciences curriculum have pre-requisites with minimum grade requirements in those prerequisite courses. Please consult the appropriate calendar section for these requirements.

The Medical Sciences program offers the following degree options:

- BSc (Medical Sciences) Concentrated Honours (120 credit hour)
- BSc (Medical Sciences) Major (120 credit hour)

Program requirements can be seen by following the links to the right. In addition, students must satisfy the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections of this calendar.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

In both the Major and Honours programs students take a set of core required courses, and choose their selective and elective courses. The core required courses provide a broad background in biomedical science and a guided learning experience through the program content. Selective courses are courses offered in a number of relevant biomedical fields. Students are encouraged to choose their selective courses carefully such that they result in more specialized education in a particular area of emphasis (in Immunology or Biochemistry, for example). This will allow them to take advanced courses in the chosen area in their fourth year, to pursue Honour's research if they wish, and to be excellent candidates for graduate programs in a specialized field at Dalhousie or elsewhere in Canada.

NOTE: Most second and third year core courses in the Medical Sciences curriculum have pre-requisites with minimum grade requirements in those pre-requisite courses. Please consult the appropriate calendar section for these requirements.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Medical Sciences undergraduate academic advisor.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Assistant Dean

Lee, T., BSc (Hons), MSc (Toronto), PhD (Glasgow), Professor (Immunology) - cross-appointment in Surgery & Pathology

Program Coordinator

Jordan, J., BSc (St FX), PhD (Dalhousie)

Administrative Assistant

White, J., Telephone: 902 494-2373, Email: Jackie.White@dal.ca

BSc (120 credit hour) Major in Medical Sciences

Medical Sciences offers a 4-yr, 120 credit hour Major program. Although the program does not provide the required preparation for graduate school, it will provide an educational experience that offers a broad, interdisciplinary background in all relevant subjects in biomedical sciences. The Major degree also meets the general degree requirements for the Faculty of Science.

Requirements

In addition to the courses listed below, students must ensure that they satisfy the requirements outlined in the "Degree Requirements" section for the College of Arts and Science. For the required Writing class, students can choose from the list of "Writing Across the Curriculum" approved classes. SCIE 1111 allows BSc students to fulfill this requirement in a one-semester course. However, before selecting a writing course, students are encouraged to consult the advising sheet available on the Medical Sciences program website, as some professional schools require an ENGL course.

1000 Level

- BIOL 1010.03 or BIOL 1020.03 with BIOL 1011.03 or BIOL 1021.03 *or* SCIE 1505X/Y.18 Integrated Science
- CHEM 1011.03/CHEM 1012.03
- MATH 1215.03 or MATH 1000.03
- STAT 1060.03 *or* SCIE 1505X/Y.18 Integrated Science

- PSYO 1021.03 or PSYO 1011.03 with PSYO 1022.03 or PSYO 1012.03 *or* SCIE 1505X/Y.18 Integrated Science
- PHYC 1310.03 *or* PHYC 1300X/Y.06
- Writing course

2000 Level

- BIOL 2020.03
- BIOL 2030.03
- CHEM 2401.03/CHEM 2402.03
- BIOC 2300.03
- PHYL 2032.03
- MICI 2100.03
- PHYL 2041.03
- PHIL 2810.03
- SOSA 2503.03

3000 and 4000 Level

- MICI 3115.03
- PHAC 3001.03
- Anatomy*
- Introductory Pathology*
- Introductory Epidemiology*

24 credit hours of Selectives, including at least 3 credit hours of Advanced Selectives

BSc (120 credit hours) Honours in Medical Sciences

Students who want a challenging program resulting in a broad background in Medical Sciences, including independent research experience, may want to enrol in an Honours program. An Honours degree in the Medical Sciences program aims to prepare students for graduate studies in a number of medically related fields. In addition to specific course requirements and completion of at least 54 credit hours in Medical Sciences courses above the 1000 level, with a minimum GPA of 3.3, students must complete an Honours Qualifying Examination. Students will have the flexibility to do their Honours research in a laboratory of their choice (Faculty of Science, Faculty of Medicine, or other), subject to the approval of the Honours class director. All students conduct an independent research project in their final year under the supervision of a faculty member, and a presentation of the thesis research in an Honours student research forum will be required.

Students should consult with an advisor and choose their electives and selectives carefully in their second, third and fourth years to ensure that they are prepared for graduate studies in their field of interest. Students with an Honours degree will also be well prepared for entry into professional schools.

Requirements

In addition to the courses listed below, students must ensure that they satisfy the requirements outlined in the "Degree Requirements" section for the College of Arts and Science. For the required Writing class, students can choose from the list of "Writing Across the Curriculum" approved classes. SCIE 1111 allows BSc students to fulfill this requirement in a one-semester course. However, before selecting a writing course, students are encouraged to consult the advising sheet available on the Medical Sciences program website, as some professional schools require an ENGL course.

1000 Level

- BIOL 1010.03 *or* BIOL 1020.03 with BIOL 1011.03 *or* BIOL 1021.03 *or* SCIE 1505X/Y.18 Integrated Science
- CHEM 1011.03/CHEM 1012.03
- MATH 1215.03 *or* MATH 1000.03
- STAT 1060.03 *or* SCIE 1505X/Y.18 Integrated Science
- PSYO 1021.03 *or* PSYO 1011.03 with PSYO 1022.03 *or* PSYO 1012.03 *or* SCIE 1505X/Y.18 Integrated Science
- PHYC 1310.03 *or* PHYC 1300X/Y
- Writing course

2000 Level

- BIOL 2020.03
- BIOL 2030.03
- CHEM 2401.03/CHEM 2402.03
- BIOC 2300.03
- PHYL 2032.03
- PHYL 2041.03
- MICI 2100.03
- PHIL 2810.03
- SOSA 2503.03

3000 and 4000 Level

- MICI 3115.03
- PHAC 3001.03
- Anatomy*
- Introductory Pathology*
- Introductory Epidemiology*
- MSCI Honours thesis

21 credit hours of Selectives (see list below), including at least 3 credit hours of Advanced Selectives

List of Selectives and Advanced Selectives

Medical Sciences Honours students must include at least seven of the following courses in their program. Major students must include at least nine of these courses. In both cases, at least one of the Selectives must be an Advanced Selective.

Selectives:

Biochemistry and Molecular Biology

BIOC 2610 - Introductory Biochemistry Lab
BIOC 3300 - Intermediary Metabolism
BIOC 3400 - Nucleic Acid Biochemistry & Molecular Biology
BIOC 3700 - Biomolecular Chemistry

Biology

BIOL 2040 - Evolution
BIOL 2060 - Introductory Ecology
BIOL 3020 - Advanced Cell Biology
BIOL 3036 - Transgenic Organisms
BIOL 3046 - Molecular Evolution
BIOL 3050 - Developmental Biology
BIOL 3078 – Animal Physiology I
BIOL 3079 – Animal Physiology II
BIOL 3322 - Parasitology
BIOL 3328 - Medical Entomology
BIOL 3430 - Introduction to Human Histology
BIOL 3421 - Comparative Vertebrate Histology

Chemistry

CHEM 2301 - Introduction to Physical Chemistry I
CHEM 2304 - Introduction to Physical Chemistry II

Humanities and Social Sciences

ENGL 2030 – Literature, Health, and Healing (offered in alternate years to ENGL 3320)
ENGL 3320 – Literature and the History of Medicine (offered in alternate years to ENGL 2030)
INTD 3115 - Global Health in the 21st Century
PHIL 2805 - Ethics and Health Care: Patient Care
SOSA 2400 - Health & Illness Across Cultures
SOSA 2502 - Biomedicine and the Illness Experience
SOSA 3135 - The Social Organization of Health Care
SOSA 3141 - Sociology of Mental Disorders
SOSA 3143 - Health, Illness, and the World System
SOSA 3145 - Gender and Health (cross-listed with GWST 3145.03)
SOSA 3147 - Social Gerontology
SOSA 3148 - The Sociology of Addiction/ Drugs, Health, and Society

Mathematics

MATH 1010 – Differential and Integral Calculus II

Medical Neuroscience

ANAT 2160/BIOL 3430 - Introduction to Human Histology
ANAT 3421/BIOL 3421 - Comparative Vertebrate Histology

Microbiology and Immunology

MICI 3114 - Virology
MICI 3119- Physiology of Prokaryotic Cell
MICI 4115 – Immunology of Host Resistance
MICI 4218 – Clinical Microbiology

Neuroscience

NESC 2007 - Neuroscience Principles & Methods
NESC 2570 - Cellular Neuroscience
NESC 3270 - Developmental Neuroscience
NESC 3670 - Genes, Brain and Behaviour

Pharmacology

PHAC 4001 – Pharmacology II

Physics

PHYC 1300X/Y – Physics in and Around You
PHYC 2250 - Physics of Biological and Medical Technology

Physiology and Biophysics

PHYL 1010X/Y – Human Physiology
PHYL 3120 - Exercise Physiology in Health & Disease
PHYL 3320 - Human Cell Physiology
PHYL 3420 - Sensory Physiology
PHYL 3520 - Core Concepts in Medical Physiology

Psychology

PSYO 2000 - Research Methods in Experimental Psychology
PSYO 2080 - Social Psychology
PSYO 2090 - Developmental Psychology
PSYO 2170 - Hormones and Behaviour
PSYO 2220 - Abnormal Behaviour
PSYO 2501 - Statistical Methods I
PSYO 2770 - Brain & Behaviour
PSYO 3082 - Experimental Social Psychology
PSYO 3122 - Methods in Experimental Clinical Psychology
PSYO 3129 - Childhood Psychopathology
PSYO 3180 - Psychoneuroimmunology/Ecological Immunology
PSYO 3225 - Health Psychology
PSYO 3237 - Drugs and Behaviour

Advanced Selectives:

Biochemistry and Molecular Biology

BIOC 4010 – Bioinformatics
BIOC 4302 – Biochemistry of Lipids
BIOC 4305 – Mechanisms of Signal Transduction
BIOC 4306 - Nutritional Biochemistry
BIOC 4403 – Genes and Genomes
BIOC 4404 – Gene Expression
BIOC 4501 – Medical Biotechnology I
BIOC 4700 – Proteins
BIOC 4701 – Enzymes
BIOC 4702 – Biophysical Characterization of Macromolecules
BIOC 4811– Biochemistry of Clinical Disorders I
BIOC 4812 – Biochemistry of Clinical Disorders II
BIOC 4835/BIOC 4035 – Human Genetics

Biology

BIOC 4050 - Advanced Topics in Developmental Biology

Humanities and Social Sciences

PHIL 4801 - Topics in Ethics and Health Care
POLI 4260 - The Politics of Health Care

Microbiology and Immunology

MICI 4027 - Molecular Mechanisms of Cancer
MICI 4033 - Advanced Microbial Genetics
MICI 4100 – Processes & Mediators of Inflammation
MICI 4114 – Advanced Topics in Molecular & Medical Virology
MICI 4116 – Current Topics in Mucosal Immunology
MICI 4118 – Molecular Bacterial Pathogenesis
MICI 4302 – Molecular Immunology

Neuroscience

NESC 4000 - Senior Seminar

Physiology and Biophysics

PHYL 4000 - Current Advances in Synaptic Function and Plasticity
PHYL 4324 - Endocrine Physiology
PHYL 4680 - Cardiovascular Physiology

Psychology

PSYO 4000 - Senior Seminar

Courses

For course descriptions, please see section of the calendar corresponding to the department offering the course (e.g. BIOL = Biology).

Courses marked with an asterisk (*) above are upper level courses that are being developed especially for students in the Medical Sciences program.

Microbiology and Immunology

Location:

Building/Room: Sir Charles Tupper Medical Building

Street Address 1: 5850 College Street

Street Address 2: Room 7-C

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3587

Fax: (902) 494-5125

Website: medicine.dal.ca/departments/department-sites/microbiology.html

Email Address: microimm.advising@dal.ca

Introduction

Microbiologists study small cells (microorganisms) and viruses. Among other things, immunologists want to know how larger organisms (such as humans) respond to foreign objects, many of which are very small. These two disciplines are thus inextricably linked, and when taken together comprise a major strength of the Dept. Another focus of the department is cancer biology, a natural fit with other interests, as cancers can be thought of as foreign objects, and many are caused by bacteria and viruses.

Degree programs in Microbiology and Immunology at Dalhousie focus on education and training in bacteriology, virology and immunology, with an understanding that biochemistry, genetics, and cell and molecular biology are also essential elements of a comprehensive academic program. A degree in Microbiology and Immunology provides a firm foundation for future employment in a variety of laboratory environments, for the pursuit of an advanced post-graduate degree, and/or for entry into the health professions (e.g., medicine).

Degree Programs

The Department offers the following degree programs in Microbiology and Immunology

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc (120 credit hour) Double Major*
- Minor in Microbiology and Immunology

* BSc Co-op option available

* May be combined with Minors from other disciplines

NOTE: There is no 90 credit hour (3 year) degree program in Microbiology and Immunology.

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully. It is recommended that students considering an Honours or Major program consult with a Microbiology and Immunology Academic Advisor prior to registering for second year classes.

Students who participated in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies. The following options fulfill the first year requirements for any Microbiology and Immunology program:

- SCIE 1515.36
- SCIE 1520.30
- SCIE 1540.27
- SCIE 1505.18

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Head of Department

Marshall, J. S.

Advising

MicroImm.Advising@dal.ca

Professors

Anderson, R., PhD (Cologne), (Viral Pathogenesis)
Duncan, R., PhD (Guelph) Graduate Studies Coordinator (Molecular Virology)
Hoskin, D. W., PhD (McGill), (Tumour Immunology; Cancer Biology)
Issekutz, T. B., MD (Dalhousie), FRCP(C), Prof., Pediatrics (Lymphocytes in Autoimmune Disease)
Lee, P. W. K., PhD (Alberta), (Molecular Virology; Cancer Biology)
Lee, S. F., PhD (Guelph) (Oral Microbiology; Microbial Pathogenesis, Mucosal Vaccines)
Lee, T., PhD (Glasgow) (Immunoregulation, Transplantation Immunology)
Lin, T. -J., PhD (Peking) (Mechanisms of Host Defense Against Pathogen Infection)
Marshall, J. S., PhD (Manchester) (Mast Cells in Inflammation and Cancer)
Richardson, C. D., PhD (British Columbia) (Molecular Virology)
Stadnyk, A. W., PhD (McMaster) (Intestinal Inflammation; Cytokines)
Stoltz, D. B., PhD (McMaster) (Biology of Parasitic Insects; Polydnviruses)

Associate Professors

Barnes, C., BA, PhD (Dalhousie), Molecular Genetics)
Davidson, R. J., PhD (Manitoba) (Antimicrobial Mechanisms of Action and Resistance)
Haldane, D. J. M., MBChB (Dundee), FRCP(C) (Medical Microbiology)
Issekutz, A. C., MD (Dalhousie), FRCP(C), Prof., Pediatrics (Inflammation)
Johnston, B., PhD (Calgary) (Inflammation and Immune Response)
Li, Y. H., PhD (Manitoba) (Bacteriology and Molecular Biology)
McCormick, C., PhD (British Columbia) (Viral Oncology)

Thomas, N., PhD (Queen's) (Molecular Bacterial Pathogenesis)

Wang, J., PhD (McMaster) (Host Defense Mechanisms Against Infection and Cancer and Vaccine Development)

Assistant Professors

Corcoran, J., PhD (Dalhousie) (Virus-Cell Interactions; Viruses and Cancer)

Hatchette, T. F., MD (Memorial), Pathology (Clinical Virology and Influenza)

LeBlanc, J., PhD (Dalhousie) (Molecular Pathogenesis and Diagnostics)

Rohde, J., PhD (British Columbia) (Bacterial Pathogenesis and Ubiquitin)

Senior Instructor

Murray, L. E., PhD (Dalhousie) (Molecular Genetics)

BSc (120 credit hour) Concentrated Honours in Microbiology and Immunology

Students who want a challenging program that results in a broad and in-depth background in Microbiology and Immunology, and includes an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Microbiology and Immunology subject courses, with a minimum GPA of 3.0 and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of MICI 4900.06. Certain specified courses from other departments (BIOC, BIOL, CHEM, NESC) count as MICI-subject courses (see below).

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Microbiology and Immunology.

Admission to Honours

Students who wish to enrol in a Microbiology and Immunology Honours program should apply for admission after their 2nd year Fall term grades are in. To be admitted, students must have

- Consulted with a Departmental Academic advisor
- Completed the required 1000 level classes
- A GPA of B+ at the time of application

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc Concentrated Honours program in Microbiology and Immunology must complete the following courses:

1000 level

- BIOL 1010.03/BIOL 1011.03 or BIOL 1020.03/BIOL 1021.03
- CHEM 1011.03/CHEM 1012.03
- MATH 1000.03 or MATH 1215.03
- MATH 1010.03 or STAT 1060.03

Or Integrated Science Program: One of SCIE 1515.36, SCIE 1520.30, SCIE 1540.27, SCIE 1505.18

2000 level

- MICI 2100.03
- BIOL 2020.03 and BIOL 2030.03
- BIOC 2300.03 and BIOC 2610.03
- CHEM 2401.03 and CHEM 2402.03

3000 level

- BIOC 3400.03
- MICI 3114.03
- MICI 3115.03
- MICI 3119.03

4000 level

- MICI 4900.06*
- One additional 4000-level MICI course
- A minimum of four additional courses from the list below, at least one of which is at the 4000 level
 - MICI 2115.03, MICI 3024.03, MICI 3620.03, MICI 4027.03, MICI 4033.03, MICI 4100.03, MICI 4114.03, MICI 4115.03, MICI 4116.03, MICI 4118.03, MICI 4218.03, MICI 4302.03
 - BIOC 4010.03, BIOC 4403.03, BIOC 4404.03, BIOC 4501.03, BIOC 4835.03
 - BIOL 2004.03, BIOL 3101.03, BIOL 3102.03, BIOL 3322.03
 - PSYO 3180.03/NESC 3180.03
 - FOSC 3080.03

* The honours research thesis (MICI 4900.06) is normally supervised by a faculty member from Microbiology and Immunology or from Biochemistry and Molecular Biology (including joint and cross appointments). Students who wish to undertake their honours research project in another department must first have the project approved by the Microbiology and Immunology Undergraduate Studies Committee.

Grade requirements for Honours:

- In the following core courses, MICI 2100.03, MICI 3114.03, MICI 3115.03, MICI 3119.03 and MICI 4900.06, a minimum grade of B in four and a minimum grade of B- in the fifth course. In the other MICI or required courses a grade of C or greater is required.

BSc (120 credit hour) Combined Honours in Microbiology and Immunology and another subject

Students who wish to study Microbiology and Immunology in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Microbiology and Immunology may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Microbiology and Immunology, this requirement is satisfied through MICI 4900.06.

A Co-op option is available for students enrolled in BSc Combined Honours with Microbiology and Immunology as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Combined Honours program in Microbiology and Immunology and another subject must complete the following:

Microbiology and Immunology as the primary subject

- 1000-level as for Concentrated Honours (above)
- MICI 2100.03
- BIOL 2020.03 and BIOL 2030.03
- BIOC 3400.03
- CHEM 2401.03 and CHEM 2402.03
- BIOC 2300.03 and BIOC 2610.03
- MICI 3114.03, MICI 3115.03, MICI 3119.03
- MICI 4900.06
- At least one additional MICI course at the 4000 level

Requirements for a Combined Honours with Biochemistry & Molecular Biology as the secondary subject can be met by completing the following courses in addition to

the above list:

- BIOC 3300.03, BIOC 3700.03
- Two courses from BIOC 40XX, 43XX, 44XX, 45XX, or 47XX
- Two additional MICI or BIOC courses at or above the 2000 level

Microbiology & Immunology as the secondary subject

- 1000-level as for Concentrated Honours (above)
- MICI 2100.03
- BIOL 2020.03, BIOL 2030.03
- BIOC 3400.03
- CHEM 2401.03 and CHEM 2402.03
- BIOC 2300.03 and BIOC 2610.03
- MICI 3114.03, MICI 3115.03, MICI 3119.03
- MICI 4900.03

Grade requirements for Combined Honours:

In the following core courses, MICI 2100.03, MICI 3114.03, MICI 3115.03, MICI 3119.03 AND MICI 4900.06, a minimum of B in four and a minimum of B- in the fifth course. In the other MICI or required courses a grade of C or greater is required.

BSc (120 credit hour) Major in Microbiology and Immunology

The 120 credit hour Major is suited to students who want to focus on Microbiology and Immunology, but wish to have a program that is somewhat less constrained than the Honours program. Microbiology and Immunology Majors complete a minimum of 42 credit hours in program courses above the 1000 level. Certain specified courses from other departments (BIOC, BIOL, CHEM, NESC) count as program courses (see below). Research and other experiential learning opportunities are available through laboratories, and through direct research and experiential classes.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Microbiology and Immunology.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Major program in Microbiology and Immunology must complete the following courses:

1000 level

- BIOL 1010.03/BIOL 1011.03 or BIOL 1020.03/BIOL 1021.03
- CHEM 1011.03/CHEM 1012.03
- MATH 1000.03 or MATH 1215.03
- MATH 1010.03 or STAT 1060.03

Or Integrated Science Program: One of SCIE 1515.36, SCIE 1520.30, SCIE 1540.27, SCIE 1505.18

2000 level

- MICI 2100.03
- BIOL 2020.03 and BIOL 2030.03
- BIOC 2300.03 and BIOC 2610.03
- CHEM 2401.03 and CHEM 2402.03

3000 level

- BIOC 3400.03
- MICI 3114.03
- MICI 3115.03

- MICI 3119.03

4000 level

- One of MICI 4027.03, MICI 4033.03, MICI 4100.03, MICI 4114.03, MICI 4115.03, MICI 4116.03, MICI 4118.03, MICI 4218.03, or MICI 4302.03
- Six additional credit hours in MICI-approved courses at or above the 2000 level

Grade requirements for Majors:

For all MICI or required courses you must obtain a grade of C- or better. In some cases, you will need a grade of B as a prerequisite for entry into 3000 or 4000 level courses.

BSc (120 credit hour) Double Major in Microbiology and Immunology and another subject

The Double Major degree program allows students to combine a study of Microbiology and Immunology with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Microbiology and Immunology may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

A Co-op option is available for students enrolled in BSc Double Major with Microbiology and Immunology as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Microbiology and Immunology and another subject must complete the following set of core courses:

1000 level

- BIOL 1010.03/BIOL 1011.03 or BIOL 1020.03/BIOL 1021.03
- CHEM 1011.03/CHEM 1012.03
- MATH 1000.03 or MATH 1215.03
- MATH 1010.03 or STAT 1060.03

Or Integrated Science Program: One of SCIE 1515.36, SCIE 1520.30, SCIE 1540.27, SCIE 1505.18

2000 level

- MICI 2100.03
- BIOL 2020.03 and BIOL 2030.03
- BIOG 2300.03 and BIOG 2610.03
- CHEM 2401.03 and CHEM 2402.03

3000 level

- BIOG 3400.03
- MICI 3114.03
- MICI 3115.03
- MICI 3119.03

4000 level

- One of MICI 4027.03, MICI 4033.03, MICI 4100.03, MICI 4114.03, MICI 4115.03, MICI 4116.03, MICI 4118.03, MICI 4218.03, or MICI 4302.03

The same set of core courses is required in a Double Major with Microbiology and Immunology as the primary or secondary subject.

Grade requirements for Double Majors:

For all MICI or required courses you must obtain a grade of C- or better. In some cases, you will need a grade of B as a prerequisite for entry into 3000 or 4000 level courses.

Minor in Microbiology and Immunology

This minor is available to non-Microbiology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

A minimum of 18 to a maximum of 36 credit hours in Microbiology and must include:

- MICI 2100.03: Introductory to Microbiology and Immunology
- A minimum of 15 additional credit hours in Microbiology courses at the 2000 level or higher

Please note that there are prerequisite requirements for entry into upper level Microbiology courses, including BIOL 2020.03 and BIOL 2030.03, CHEM 2401.03 and CHEM 2402.03 (or CHEM 2441.03).

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Co-operative Education Program (Science Co-op) in Microbiology and Immunology

Co-op Academic Advisor: Dr. D.B. Stoltz (dstoltz@dal.ca)

Science Co-op is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Science Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Microbiology and Immunology, or in Combined Honours or Double Major programs with Microbiology and Immunology as the primary subject. The number of students admitted into Science Co-op each year is limited. A minimum GPA of 3.3 is required for admission and for continuation in the Co-op program as is a grade of B+ in MICI 2100.03. Students must be eligible to work in Canada.

Students normally apply to join Science Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) in the Fall term of the year they join.

Details are available from the Microbiology and Immunology Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html For more information on Co-op Education in Microbiology and Immunology, please see the Department webpage www.dal.ca/academics/programs/undergraduate/mbim/what_will_i_learn/coop_work_terms.html

Minors available to students in Microbiology and Immunology

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally embedded within 120 credit hour programs (including Science Co-op).

Students in a BSc (120 credit hour) program in Microbiology and Immunology may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Microbiology and Immunology, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to students enrolled in a Microbiology and Immunology Major or Honours program include:

- Certificate in Genetics
- Certificate in Medicinal Chemistry

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

For more detailed information on the following courses please see the departmental webpage <http://microbiology.medicine.dal.ca>

NOTE: Owing to the combined pressures of student numbers and a dearth of available space, the names of students absent from the first day of course may be deleted from course lists; students are therefore advised that being signed into a course is no guarantee of continued registration.

Course Descriptions

MICI 1050 Basic Microbiology and Immunology for Pharmacy

CREDIT HOURS: 3

This course is only for pharmacy students and involves problem based learning tutorials, lectures and laboratory sessions (demonstrations and exercises). Topics include: concepts of antibiotics and immunity, basic principles of microbial structure, physiology, and genetics in relation to microbial pathogenesis.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: BIOL 1000X/Y.06 or (BIOL 1010 or BIOL 1020 and BIOL 1011 or BIOL 1021) or instructor's consent

MICI 1100 Health Science Microbiology

CREDIT HOURS: 3

An introduction to microbiology and infectious diseases designed for healthcare professionals. It includes a study of the structure and physiology of microorganisms, the ways microorganisms cause disease in man and the way they affect human's well being.

NOTES: This course is also offered by distance education.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

MICI 1200 Introduction to General and Oral Microbiology

CREDIT HOURS: 3

See course description in the Dental Hygiene section of the Dentistry, Law and Medicine Calendar (DEHY 2850.03).

MICI 2100 Introductory Microbiology and Immunology

CREDIT HOURS: 3

An introduction to the basic concepts of microbiology and immunology. Topics include: structure, genetics and biology of microorganisms, basic immunology and host defence mechanisms. The class is designed to interrelate the major research themes within the Department (bacteriology and microbial pathogenesis, immunology, microbial and molecular genetics, virology and cancer biology).

NOTES: This class is also offered by distance education.

FORMAT: Lecture| Lab| Online Delivery

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Grade of B- or better in BIOL 1010.03 and 1011.03, CHEM 1011.03 (or BIOL 1020.03 and BIOL 1021.03) and CHEM 1012.03

MICI 2115 Human Organs and Tissues

CREDIT HOURS: 3

Using a histology approach, students look at how tissues and organs are constructed and function at the cellular level normally and in disease. The course does not cover all histology topics. Instead, the subject matter has been selected for its relevance and potential for complementing advanced courses in microbiology/immunology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Grade of B- or better in MICI 2100.03

MICI 2400 Laboratory Methods in Microbiology and Immunology

CREDIT HOURS: 3

An introduction to techniques in Microbiology and Immunology through a rigorous wet laboratory experience that includes training in how to explore safely and effectively the properties of viruses, bacteria and immune cells. This course is directed to students in Microbiology and Immunology, Biochemistry & Molecular Biology, and Biology programs.

FORMAT: Lab

COREQUISITE: BIOL 2020.03 and BIOL 2030.03

PREREQUISITE: MICI 2100.03 with a grade of B- or higher, or instructor's consent

RESTRICTIONS: Second year or above

MICI 3024 Microscopy

CREDIT HOURS: 3

Biological ultrastructural analysis concentrating on transmission and scanning electron microscopy. Topics include: physical and chemical principles governing technical procedures such as fixation, staining, freeze-fracture, immunocytochemistry, autoradiography, X-ray microanalysis and photography. During laboratory periods, students have the opportunity through individual projects to participate in some techniques covered in lectures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A grade of B- or better in MICI 2100.03 and BIOL 2020.03

CROSS-LISTING: BIOL 3024.03

MICI 3114 Virology

CREDIT HOURS: 3

Viruses play important roles in infectious diseases and cancer as well as in model systems for gene regulation, molecular evolution and gene therapy. Topics include: virus structure, assays, classification, gene organization and expression, host-cell interactions, cell transformation, gene therapy and molecular mechanisms of pathogenesis.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Includes all of MICI 2100.03, BIOC 2300.03 and BIOC 2610.03, BIOL 2020.03 and BIOL 2030.03 (a minimum of B- in each of these courses).

BIOC 3400.03 must be taken either prior to or concurrently with this course; the same grade requirement applies.

MICI 3115 Immunology

CREDIT HOURS: 3

An introduction to cellular and molecular immunology. Topics include: cells and tissues of the immune system, the structure and synthesis of antibodies, complement pathways, lymphocyte subsets and their functions, hypersensitivity reactions, and the genetics of the immune response.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Includes all of MICI 2100.03, BIOC 2300.03 and BIOC 2610.03, BIOL 2020.03 and BIOL 2030.03 (a minimum of B- in each of these courses)

MICI 3119 Physiology of the Prokaryotic Cell

CREDIT HOURS: 3

An introduction to the bacterial physiological processes required for interactions with other organisms and the environment. Topics include: molecular architecture and assembly of bacterial cell components, metabolism and energy production, utilization of energy, adaptation responses to host and environmental challenges, and host-pathogen interactions.

PREREQUISITE: MICI 2100.03, BIOC 2300.03 and BIOC 2610.03, BIOL 2020.03 and BIOL 2030.03, (a minimum of B- in each of these courses).

MICI 3620 Experiential Learning in Microbiology and Immunology

CREDIT HOURS: 3

This lab-based course is designed to give students an introduction to general lab procedures, molecular and cell biological techniques in bacterial pathogenesis, cancer cell biology, immunology, molecular genetics or virology. In collaboration with the research supervisor and the course coordinator, students will draft a learning agreement specifying learning outcomes and how these will be achieved.

NOTES: To register in this course students will need to find a research supervisor and receive approval from the Undergraduate Committee.

PREREQUISITE: Includes all of MICI 2100.03, BIOC 2300.03, BIOC 2610.03, BIOL 2020.03, BIOL 2030.03 (a minimum of B- in each of these courses). Permission of instructor required.

RESTRICTIONS: Normally restricted to students registered in a Majors or Honours degree in Microbiology and Immunology; any other students interested should consult the course coordinator.

EXCLUSIONS: The following may not be used towards MICI 3620: lab work that is part of another scheduled class, co-op workterms, and paid employment. Only one

experiential learning course per degree is permitted. Students may not take MICI 3620 concurrently with MICI 4900, MICI 4700, MICI 4901, MICI 4902, or a co-op work term.

MICI 4027 Molecular Mechanisms of Cancer

CREDIT HOURS: 3

This advanced course focuses on the molecular mechanisms of cancer and consists of lectures and student presentations based on review articles and current research papers. Topics include: receptors and downstream signaling, oncogenes and tumor suppressors, cancer metastasis and angiogenesis, cell cycle control, and apoptosis

FORMAT: Lecture| Discussion

PREREQUISITE: Minimum grades of B in a 3000 level Microbiology, Pathology or Biochemistry course. Permission of instructor required.

CROSS-LISTING: MICI 5027.03/PATH 5027.03/BIOC 4027.03

MICI 4033 Advanced Microbial Genetics

CREDIT HOURS: 3

This advanced course focuses on select aspects on bacterial gene regulation including bacterial viruses. Topics include gene transfer, transposon biology, bacterial cell signaling, activators and repressors, molecular and chemical approaches to genetic analysis and regulation of bacterial gene expression.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A grade of B- or better in MICI 3119.03 or instructor's consent is required.

CROSS-LISTING: MICI 5033.03

MICI 4100 Processes and Mediators of Inflammation

CREDIT HOURS: 3

This advanced course focuses on the cellular and molecular mechanisms of inflammation and consists of lectures and student presentations based on review articles and current research papers. Topics include: inflammatory mediators and receptors, complement, steroids, tissue remodeling and transplant modulation. Current research questions and emerging treatments are emphasized.

FORMAT: Lecture| Discussion

PREREQUISITE: MICI 3115.03 with a grade of B+ or better and instructor's consent is required

CROSS-LISTING: MICI 5100.03, PATH 5100.03

MICI 4114 Advanced Topics in Molecular and Medical Virology

CREDIT HOURS: 3

This advanced course focuses on selected aspects of molecular and medical virology and consists of lectures and student presentations based on review articles and current research papers. Topics include: Hepatitis C virus and innate immunity, influenza virus pathogenesis, virus interactions with host cells, viruses as vectors for gene therapy and applications.

FORMAT: Lecture| Discussion

PREREQUISITE: Students enrol in the Fall semester, but must attend the first class where final admittance is determined. Restricted enrollment based on performance in MICI 3114.03 (minimum A- or instructor's consent)

CROSS-LISTING: MICI 5114.03

MICI 4115 Immunology of Host Resistance

CREDIT HOURS: 3

This advanced course focuses on mechanisms involved in the host immune response to pathogens and tumour cells and consists of lectures and student presentations based on review articles and current research papers. Topics also include: allergic inflammation and transplantation immunology.

FORMAT: Lecture| Discussion

PREREQUISITE: Minimum grade of B in MICI 3115.03 or instructor's consent

MICI 4116 Current Topics in Mucosal Immunology

CREDIT HOURS: 3

This advanced course focuses on the mucosal immune system, which maintains a state of tolerance to environmental antigens while mounting a strong immune response to infectious agents. The course consists of lectures and student presentations based on review articles and research papers. Topics include: immune mechanisms in the gastrointestinal tract and respiratory and genitourinary systems.

PREREQUISITE: MICI 3115.03 with a grade of B or better or instructor's consent

CROSS-LISTING: MICI 5116.03

MICI 4118 Molecular Bacterial Pathogenesis

CREDIT HOURS: 3

This advanced course focuses on the molecular basis of bacterial pathogenesis and consists of lectures and student presentations based on landmark articles and current research papers. Topics include: the regulation of genes encoding virulence factors, the function of these factors in surface colonization, invasion, intracellular growth and toxin production.

PREREQUISITE: MICI 3119.03 with a grade of B or better or instructor's consent.

CROSS-LISTING: MICI 5118.03

MICI 4218 Clinical Microbiology

CREDIT HOURS: 3

This advanced course covers all aspects of clinical microbiology including bacteriology, virology, parasitology, mycology and molecular diagnostics. The emphasis will be placed on bacteriology. Topics include epidemiology and transmission, laboratory management and identification, antimicrobial testing and resistance, treatment and prevention of infectious diseases.

FORMAT: Lecture

PREREQUISITE: A grade of B- or better in MICI 3119.03 or Instructor's consent.

MICI 4302 Molecular Immunology

CREDIT HOURS: 3

This advanced course focuses on understanding the generation and expression of immune responses. Topics include: regulation of cytokines, antibody diversity by

immunoglobulin gene rearrangement, class switching, structure/function of cell surface receptors including the T cell antigen receptor, MHC and adhesion molecules, receptor signaling and the genetics of immune regulation.

FORMAT: Lecture| Discussion

PREREQUISITE: MICI 3115.03 with a grade of B or instructor's consent

CROSS-LISTING: BIOL 4302.03/5302.03, MICI 5302.03

MICI 4403 Genes and Genomes

CREDIT HOURS: 3

See course description for BIOC 4403.03 in the Biochemistry and Molecular Biology section of this calendar.

PREREQUISITE: BIOC 3400 or BIOL 3014

MICI 4404 Gene Expression

CREDIT HOURS: 3

MICI 4700X/Y Directed Research Project

CREDIT HOURS: 6

Students spend at least one day per week performing laboratory research in the lab of approved departmental faculty. This course is not for students in a regular BSc Honours program. Approval is required from the departmental undergraduate committee.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Permission of the Undergraduate Studies Committee and a member of the Department who will serve as a supervisor. At least a B average for MICI, 3114.03, 3115.03 and 3119.03

MICI 4701 Advanced Topics in Microbiology and Immunology

CREDIT HOURS: 3

This advanced course is an independent studies course that is not part of the regular BSc program. Approval is required from the departmental undergraduate committee.

PREREQUISITE: Permission of the Undergraduate Studies Committee and a member of the Department who will supervise the independent study program.

MICI 4702 Advanced Topics in Microbiology and Immunology

CREDIT HOURS: 3

This advanced course is an independent studies course that is not part of the regular BSc program. Approval is required from the departmental undergraduate committee.

PREREQUISITE: Permission of the Undergraduate Studies Committee and a member of the Department who will supervise the independent study program.

MICI 4900X/Y Honours Research and Thesis

CREDIT HOURS: 6

This advanced course requires at least one day per week (or equivalent) of laboratory research in the laboratory of an approved departmental faculty member. This course is for students in a MICI or combined MICI B.Sc. Honour's program. Students must meet the course instructor prior to registering for the course. NOTE: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

NOTE: Course Details listed here also apply to MICI 4901/MICI 4902.

PREREQUISITE: B average in at least three of MICI 3114, 3115, 3119 and BIOC 3400 with no grade lower than B- (or Instructor's permission); and a member of the Department who will serve as a supervisor.

MICI 4901 Honours Research and Thesis

CREDIT HOURS: 3

See description for MICI 4900X/Y.06. MICI 4901.03 and MICI 4902.03 do not necessarily have to be taken in consecutive terms, although that will normally be the case.

MICI 4902 Honours Research and Thesis II

CREDIT HOURS: 3

See description for MICI 4900X/Y.06. MICI 4901.03 and MICI 4902.03 do not necessarily have to be taken in consecutive terms, although that will normally be the case.

MICI 8891 Co-op Work Term I

CREDIT HOURS: 0

MICI 8892 Co-op Work Term II

CREDIT HOURS: 0

MICI 8893 Co-op Work Term III

CREDIT HOURS: 0

MICI 8894 Co-op Work Term IV (optional)

CREDIT HOURS: 0

MICI 8895 Co-op Work Term V (optional)

Neuroscience

Location:

Building/Room: Life Sciences Centre

Street Address 1: Department of Psychology and Neuroscience

Street Address 2: 1355 Oxford Street

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3417

Fax: (902) 494-6585

Website: www.dal.ca/psychandneuro

Email Address: psychology@dal.ca

Introduction

The last century has witnessed the emergence of a new, interdisciplinary field called Neuroscience. Its primary goal is the understanding of the brain. Neuroscience is a rapidly developing research area which includes all aspects of the structure and function of nervous systems. Neuroscience involves a variety of experimental strategies to understand nervous systems. These include molecular, biochemical, behavioural, anatomical, physiological, and developmental approaches. Although firmly grounded in the natural sciences, the scope of Neuroscience also encompasses fundamentally important philosophical issues, such as the nature of human thought and its mechanism. The programs outlined below represent all of these approaches, with an emphasis on behaviour as the adaptive product of neural activity. Knowledge obtained from research in Neuroscience is applied to a variety of human health problems, including Alzheimer's disease, Parkinson's disease, and a variety of drug- or injury-induced behavioural disorders. Research in Neuroscience is also contributing new information related to the major psychiatric disorders, including affective disorders and the schizophrénias.

Degree Programs

The Department of Psychology and Neuroscience offers the following degree programs in Neuroscience:

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc (120 credit hour) Double Major*
- Minor in Neuroscience

* May be combined with Minor programs from other disciplines.

Departmental requirements for each degree program can be seen by following the links in the menu at the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Neuroscience undergraduate academic advisor.

Staff

Dean

Moore, C. L., BA, PhD (Cantab)

Program Advisors

To contact a program advisor, please go to the Psychology and Neuroscience Main Office (Life Sciences Centre, Room 3263), telephone (902) 494-3417, or visit the [Psychology and Neuroscience website](#).

For a complete listing of faculty members in the Department of Psychology and Neuroscience.

BSc (120 credit hour) Concentrated Honours in Neuroscience

The Honours program is intended to serve as a preparation for graduate work in Neuroscience, biological psychology, medicine, human communication disorders and related fields. Its interdisciplinary nature is reflected in the participation of faculty from several departments in the program. In the first year of study, students take courses which provide a firm grounding in the physical and biological sciences. In subsequent years, the program includes credits in courses drawn from Neuroscience, Psychology and Biology. These include a number of required core courses that emphasize the acquisition and application of laboratory skills.

Honours students complete a minimum of 54 credit hours above the 1000 level in Neuroscience with a minimum GPA of 3.0 and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of NESC 4500.06.

Admission to Honours

Students must apply for admission to Honours programs. Students wishing to enrol in Honours in Neuroscience should consult with the Neuroscience Honours Advisor in January of their third year. A detailed description of the Honours application process can be found on the departmental website www.dal.ca/psychandneuro. Admission requirements include:

- A grade of B or better in NESC 2007.03
- A minimum of A- or better in the most recently completed:
 - 18 credit hours of NESC courses (for admission January of 3rd year)
 - OR
 - 27 credit hours of NESC courses (for admission at end of 3rd year)

Students in the Honours program should find a thesis supervisor, and begin the preparation for their Honours research (reading, learning laboratory methodology) as early as possible in their third year.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Concentrated Honours program in Neuroscience must complete the following:

1000 level

- MATH 1000.03 (preferred) or MATH 1215.03
- An additional three credit hours in mathematics, (ideally, but not necessarily MATH 1010.03)
- BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, or BIOL component of the Integrated Science Program (all with a grade of B- or better)
- CHEM 1011.03/CHEM 1012.03
- Recommended:
 - PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or PSYO component of the Integrated Science Program (all with a grade of B- or better)

Students are strongly recommended to take PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06 prior to finishing their degrees.

2000 level

- NESC 2007.03
- NESC 2470.03
- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03
- Six credit hours selected from: NESC 2130.03, NESC 2140.03, NESC 2150.03, NESC 2160.03, BIOC 2300.03, BIOL 2030.03, PHYC 2250.03

3000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC

3440.03, NESC 3775.03

- PSYO 3502.03
- Six additional credit hours selected from NESC 3043.03, NESC 3052.03, NESC 3131.03, NESC 3132.03, NESC 3133.03, NESC 3134.03, NESC 3162.03, NESC 3165.03, NESC 3170.03, NESC 3180.03, NESC 3190.03, NESC 3227.03, NESC 3237.03, NESC 3260.03, NESC 3264.03, NESC 3270.03, NESC 3670.03, NESC 3770.03, NESC 3790.03, NESC 3970.03, BIOC 3200.03, BIOL 3020.03, PHAC 3001.03

4000 level

- NESC 4500X/Y.06 Honours Thesis and Qualifying Exam
- Six credit hours selected from NESC 4000.03, NESC 4007.03, NESC 4050.03, NESC 4070.03, NESC 4130.03, NESC 4160.03, NESC 4170.03, NESC 4177.03, NESC 4185.03, NESC 4230.03, NESC 4740.03, PHAC 4001.03
- Six additional credit hours from NESC 3000- or 4000-level courses

BSc (120 credit hour) Combined Honours in Neuroscience and another subject

Students who wish to study Neuroscience in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be from any discipline in the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Neuroscience may be the primary subject (with a minimum of 45 credit hours beyond the 1000 level), or the secondary subject (30 credit hours).

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Neuroscience, this requirement is satisfied through NESC 4500.06.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Combined Honours program in Neuroscience and another subject must complete the following:

1000 level

- MATH 1000.03 (preferred) or MATH 1215.03
- An additional three credit hours in mathematics, (ideally, but not necessarily MATH 1010.03)
- BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, or BIOL component of the Integrated Science Program (all with a grade of B- or better)
- CHEM 1011.03/CHEM 1012.03
- Recommended:
 - PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or PSYO component of the Integrated Science Program (all with a grade of B- or better)

Students are strongly recommended to take PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06 prior to finishing their degrees.

Neuroscience as the primary subject

2000 level

- NESC 2007.03
- NESC 2470.03
- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03*
- Three credit hours selected from: NESC 2130.03, NESC 2140.03, NESC 2150.03, NESC 2160.03, BIOC 2300.03, BIOL 2030.03, PHYC 2250.03

3000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC 3440.03, NESC 3775.03

- PSYO 3502.03
- Three additional credit hours selected from NESC 3043.03, NESC 3052.03, NESC 3131.03, NESC 3132.03, NESC 3133.03, NESC 3134.03, NESC 3162.03, NESC 3165.03, NESC 3170.03, NESC 3180.03, NESC 3190.03, NESC 3227.03, NESC 3237.03, NESC 3260.03, NESC 3264.03, NESC 3270.03, NESC 3670.03, NESC 3770.03, NESC 3790.03, NESC 3970.03, BIOC 3200.03, BIOL 3020.03, PHAC 3001.03

4000 level

- NESC 4500X/Y.06 Honours thesis and Qualifying Exam
- Six credit hours selected from NESC 4000.03, NESC 4007.03, NESC 4050.03, NESC 4070.03, NESC 4130.03, NESC 4160.03, NESC 4170.03, NESC 4177.03, NESC 4185.03, NESC 4230.03, NESC 4740.03, PHAC 4001.03
- Six additional credit hours from NESC 3000- or 4000-level courses

Neuroscience as the secondary subject

2000 level

- NESC 2007.03
- NESC 2470.03
- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03*

3000/4000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC 3440.03, NESC 3775.03
- Nine additional credit hours selected from NESC courses, at least six credit hours at the 3000 or 4000 level, including BIOC 3200.03, BIOL 3020.03, PHAC 3001.03, PHAC 4001.03

* If students undertake another program of study that requires BIOL 2020.03, they should substitute another three credit hour elective in a Neuroscience topic at the 2000 level for BIOL 2020.03.

BSc (120 credit hour) Major in Neuroscience

The 120 credit hour Major is suited to students who want to focus on Neuroscience, but wish to have a program that is somewhat less constrained than the Honours program. It provides a four-year survey of Neuroscience, and is designed for students not anticipating subsequent experimental graduate-level training in Neuroscience or related disciplines. Neuroscience Majors complete a minimum of 45 credit hours in Neuroscience courses above the 1000 level and do not have thesis (or related) requirements.

Students should plan their programs carefully and, if required, obtain advice from an academic advisor. Advisors can be consulted by contacting the Psychology and Neuroscience Main Office (Life Sciences Centre, Room 3263 or 902 494-3417).

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Major program in Neuroscience must complete the following courses:

1000 level

- MATH 1000.03 (preferred) or MATH 1215.03
- An additional three credit hours in mathematics, (ideally, but not necessarily MATH 1010.03)
- BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, or BIOL component of the Integrated Science Program (all with a grade of B- or better)
- CHEM 1011.03/CHEM 1012.03
- Recommended:
 - PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or PSYO component of the Integrated Science

Program (all with a grade of B- or better)

Students are strongly recommended to take PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06 prior to finishing their degrees.

2000 level

- NESC 2007.03
- NESC 2470.03
- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03
- Six credit hours selected from: NESC 2130.03, NESC 2140.03, NESC 2150.03, NESC 2160.03, BIOC 2300.03, BIOL 2030.03, PHYC 2250.03

3000/4000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC 3440.03, NESC 3775.03
- Six more credit hours selected from NESC 3043.03, NESC 3052.03, NESC 3131.03, NESC 3132.03, NESC 3133.03, NESC 3134.03, NESC 3162.03, NESC 3165.03, NESC 3170.03, NESC 3180.03, NESC 3190.03, NESC 3227.03, NESC 3237.03, NESC 3260.03, NESC 3264.03, NESC 3270.03, NESC 3670.03, NESC 3770.03, NESC 3790.03, NESC 3970.03, BIOC 3200.03, BIOL 3020.03, PHAC 3001.03, PHAC 4001.03
- An additional 12 credit hours from NESC 3000- or 4000-level courses

BSc (120 credit hour) Double Major in Neuroscience and another subject

The Double Major degree program allows students to combine a study of Neuroscience with another subject. The other subject may be from any discipline in the Faculty of Science (other than Psychology), the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Neuroscience may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

Students enrolled in a Double Major program must have their program of study approved by advisors in both subject areas.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Neuroscience and another subject must complete the following:

1000 level

- MATH 1000.03 (preferred) or MATH 1215.03
- An additional three credit hours in mathematics, (ideally, but not necessarily MATH 1010.03)
- BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, or BIOL component of the Integrated Science Program (all with a grade of B- or better)
- CHEM 1011.03/CHEM 1012.03
- Recommended:
 - PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or PSYO component of the Integrated Science Program (all with a grade of B- or better)

Students are strongly recommended to take PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06 prior to finishing their degrees.

Neuroscience as the primary subject

2000 level

- NESC 2007.03
- NESC 2470.03

- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03*

3000/4000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC 3440.03, NESC 3775.03
- Six more credit hours selected from NESC 3043.03, NESC 3052.03, NESC 3131.03, NESC 3132.03, NESC 3133.03, NESC 3134.03, NESC 3162.03, NESC 3165.03, NESC 3170.03, NESC 3180.03, NESC 3190.03, NESC 3227.03, NESC 3237.03, NESC 3260.03, NESC 3264.03, NESC 3270.03, NESC 3670.03, NESC 3770.03, NESC 3790.03, NESC 3970.03, BIOC 3200.03, BIOL 3020.03, PHAC 3001.03, PHAC 4001.03
- An additional six credit hours from NESC 3000- or 4000-level courses

Neuroscience as the secondary subject

2000 level

- NESC 2007.03
- NESC 2470.03
- NESC 2570.03
- PSYO 2501.03 (or STAT 2080.03)
- BIOL 2020.03*

3000/4000 level

- Six credit hours of laboratory courses selected from NESC 3044.03, NESC 3051.03, NESC 3137.03, NESC 3161.03, NESC 3370.03, NESC 3371.03, NESC 3440.03, NESC 3775.03
- Nine additional credit hours selected from NESC courses, at least six credit hours at the 3000 or 4000 level, including BIOC 3200.03, BIOL 3020.03, PHAC 3001.03, PHAC 4001.03

* If students undertake another program of study that requires BIOL 2020.03, they should substitute another three credit hour elective in a Neuroscience topic at the 2000 level for BIOL 2020.03.

Minor in Neuroscience

This Minor is available to non-Neuroscience/Psychology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Neuroscience courses at the 2000 level or higher, other than NESC 2007.03 and PSYO 2501.03, which are available only to students in a Major/Honours program.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Minors available to students in Neuroscience

Minor programs allow students to develop subject specialities in addition to their Major or Honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc (120 credit hour) program in Neuroscience may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Neuroscience, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to students enrolled in a BSc in Neuroscience include:

- Certificate in Animal Behaviour
- Certificate in Science Leadership and Communication

BSc/BEng Concurrent Program

Students wishing to combine their interest in Neuroscience with a degree in Engineering may choose a BSc/BEng Concurrent Program. Students take courses toward, and complete the requirements for a BSc 120 credit hour Major in Neuroscience, at the same time as they fulfill their BEng requirements. Such a program normally takes 5 years (or longer) to complete. Interested students should see undergraduate advisors from Neuroscience and from the Faculty of Engineering in their first year of study.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

In 2006/2007, the six credit hour Introduction to Psychology courses were divided into two three credit hour courses. PSYO 1000X/Y.06 became PSYO 1021.03 and PSYO 1022.03, and PSYO 1001X/Y.06 became PSYO 1011.03 and PSYO 1012.03. If a course now requires PSYO 1011.03 or PSYO 1021.03 and PSYO 1012.03 or PSYO 1022.03 as prerequisites, this requirement may also be met by either PSYO 1000.06 or PSYO 1001.06.

4000-Level Seminars

These seminars are intended for fourth-year Honours students. Third-year Honours students are eligible provided they obtain permission from the instructor, and the needs of all the fourth-year Honours students have been met. The topics covered in these courses vary from year to year. Go to the departmental website www.dal.ca/psychandneuro for more detail about the topics to be covered in the current academic year.

Course Descriptions

NESC 2007 Neuroscience Principles and Methods

CREDIT HOURS: 3

This course introduces methods used to investigate contemporary issues in Neurobiology. Characteristics of these methods, including their strengths and limitations, are presented conceptually in lectures, and then practically in the form of supervised laboratory experiments where students implement in the lab what they encountered first in lectures.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18 1515X/Y.36, 1520X/Y.30, or 1540X/Y.27, or BIOL 1010.03 or 1020.03 and BIOL 1011.03 or 1021.03 (with a grade of B- or better)

RESTRICTIONS: Students registered in Neuroscience Major or Honours programs.

EXCLUSIONS: PSYO 2000.03

NESC 2130 Introduction to Cognitive Psychology

CREDIT HOURS: 3

Lectures focus on the processes involved in transforming sensory information into the meaningful everyday world that we know. Initially, emphasis is on the visual system, and how information within that system is structured and organized, followed by a consideration of the character of internal representations used in thinking and remembering.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30, or 1540X/Y.27 (with a grade of B- or better)

CROSS-LISTING: PSYO 2130.03

NESC 2140 Learning

CREDIT HOURS: 3

Lectures focus on several goals: (1) providing general principles of learning; (2) understanding the behaviour of particular species; (3) direct application to human problems. Emphasis is on understanding why researchers in animal learning do what they are currently doing (given the goals and the historical context).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30, or 1540X/Y.27 (with a grade of B- or better)

CROSS-LISTING: PSYO 2140.03

NESC 2150 Perceptual Processes

CREDIT HOURS: 3

Perception deals with the way in which our senses provide us with information about our environment. This course focuses on the process by which sensory experiences are coded, how they are interpreted by the nervous system, and how experience modifies perception.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30, or 1540X/Y.27, or BIOL 1010.03 or 1020.03 and BIOL 1011.03 or 1021.03 (with a grade of B- or better)

CROSS-LISTING: PSYO 2150.03

EXCLUSIONS: NESC/PSYO 3005.03

NESC 2160 Animal Behaviour

CREDIT HOURS: 3

Using concepts from behavioural biology and psychology, animal behaviourists attempt to explain why animals behave the way they do. The course examines topics such as mating and social systems, mate choice, the evolution of behaviour, and animal communication. The behaviour of a wide range of animals is studied.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30, or 1540X/Y.27, or BIOL 1010.03 or 1020.03 and BIOL 1011.03 or 1021.03 (with a grade of B- or better)

CROSS-LISTING: PSYO 2160.03

NESC 2470 Systems Neuroscience

CREDIT HOURS: 3

This course provides an introduction to the functional systems of the brain. We examine neural systems (e.g., the sensory systems, motor system, neurotransmitter-specific systems) individually. We explore their anatomy and function, neurobiological properties that make each unique, and factors that are common to all neural systems (e.g., development and plasticity).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03, or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30 or 1540X/Y.27 or (BIOL 1010.03 or BIOL 1021.03) and (BIOL 1011.03 or BIOL 1021.03) (with a grade of B- or better)

CROSS-LISTING: PSYO 2470.03

RESTRICTIONS: Restricted to students registered in Neuroscience or Psychology Major or Honours programs.

EXCLUSIONS: PSYO 2770.03

NESC 2570 Cellular Neuroscience

CREDIT HOURS: 3

This course explores the brain at the neuronal level. Material covered includes: the ionic basis of resting potentials; the electrical activity of neurons; synaptic transmission and plasticity; synthesis and action of synaptic transmitters; and drug actions. Cellular phenomena relevant to healthy and neurologically-dysfunctional systems are also discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, 1515X/Y.36, 1520X/Y.30, 1540X/Y.27, or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03 (with a grade of B- or better)

CROSS-LISTING: PSYO 2570.03, PHYL 2570.03

NESC 3000X/Y Independent Research in Neuroscience

CREDIT HOURS: 6

Primarily for Honours students wishing research experience. Requirements include a minimum grade of B in NESC 2007.03 or PSYO 2000.03, a high level of performance in other Neuroscience courses, an overall B+ (GPA 3.30) average, and securing a faculty advisor to supervise the research project. Note: This course cannot be used to fulfill the department's research laboratory requirement. SIGNATURE REQUIRED

COORDINATOR: J. Christie

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: PSYO 2000.03 or NESC 2007.03 or NESC/PSYO 2470.03, PSYO 2501.03 or STAT 2080.03, and previous or concurrent enrolment in two other NESC/PSYO 3000-level courses, and Coordinator's consent.

CROSS-LISTING: PSYO 3000X/Y.06

EXCLUSIONS: NESC/PSYO 3001.03

NESC 3001 Directed Project in Neuroscience

CREDIT HOURS: 3

Primarily for Honours students wishing research experience. Requirements include a minimum grade of B in NESC 2007.03 or PSYO 2000.03, a high level of performance in other Neuroscience courses, an overall B+ (GPA 3.30) average, and securing a faculty advisor to supervise the research project. Note: This course cannot be used to fulfill the department's research laboratory requirement. SIGNATURE REQUIRED

COORDINATOR: J. Stamp

NOTES: This course provides only a half-year research experience. Students wanting a full-year research experience in a lab should register for NESC 3000X/Y.06

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: PSYO 2000.03 or NESC 2007.03 or NESC/PSYO 2470.03, PSYO 2501.03 or STAT 2080.03, and previous or concurrent enrolment in two other NESC/PSYO 3000-level courses, and Coordinator's consent.

CROSS-LISTING: PSYO 3001.03

EXCLUSIONS: NESC/PSYO 3000X/Y.06

NESC 3010X/Y Advanced General Psychology

CREDIT HOURS: 6

An active learning course for suitably-qualified senior students. Students complete a series of oral and written assignments designed to consolidate critical thinking and communication skills in Psychology/Neuroscience. After instructional training, assignments include preparing and delivering lab material to a small group (approximately 30) of PSYO 1011.03 and 1012.03 students. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab| Seminar

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, advanced courses in Psychology or Neuroscience, and instructor's consent.

CROSS-LISTING: PSYO 3010X/Y.06

NESC 3043 Neurobiology of Learning

CREDIT HOURS: 3

This course examines the neurobiological processes underlying various forms of learning such as classical and operant conditioning, song learning by birds, spatial learning, and fear conditioning. Different methods used to study the neurobiology of learning, and the evolutionary origins of these systems are also considered.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of NESC/PSYO 2140.03 or NESC/PSYO 2470.03 or PSYO 2770.03

CROSS-LISTING: PSYO 3043.03

NESC 3044 Laboratory Methods of Learning and Conditioning

CREDIT HOURS: 3

A hands-on course on techniques used to test learning and memory in animals, including operant conditioning and spatial memory, and an exposure to the neurobiological systems involved. Students work in pairs to conduct a series of experiments, analyze data as a class, but write individual laboratory reports on each experiment.

NOTES: Students should be aware that some data collection occurs outside of class time.

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and one of NESC/PSYO 2140.03 or NESC/PSYO 2470.03 or PSYO 2770.03

CROSS-LISTING: PSYO 3044.03

EXCLUSIONS: PSYO 3042.03

NESC 3051 Sensory Neuroscience I Vision

CREDIT HOURS: 3

This course examines the neural basis for the perception of light, colour, movement, depth, and form. The course covers developmental events important for vision, and the extent to which vision is constrained by anatomical and physiological development.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, NESC/PSYO 2470.03 or PSYO 2770.03, and NESC/PSYO 2150.03

CROSS-LISTING: PSYO 3051.03

NESC 3052 Sensory Neuroscience II Hearing and Speech

CREDIT HOURS: 3

This course explores hearing at levels that include stimulus parameters and their psychophysical correlates, middle ear function, cochlear biophysics, central auditory neurophysiology, and principles of speech perception. We emphasize mechanisms of normal hearing and speech, but address pathology wherever it helps us understand the relation between neurophysiology and perception.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and NESC/PSYO 2470.03
CROSS-LISTING: PSYO 3052.03

NESC 3131 Research Methods in Attention

CREDIT HOURS: 3

The methods, findings, and theories that underpin our understanding of attention (alertness, preparation, selection, and control of information processing) are covered. Behavioural and neuroscientific evidence as well as computational models are examined in the lectures. Laboratories emphasize behavioural methods used to isolate and reveal the components of attention.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and NESC/PSYO 2130.03 or NESC/PSYO 2150.03

CROSS-LISTING: PSYO 3131.03

EXCLUSIONS: NESC/PSYO 3130.06

NESC 3132 Research Methods in Visual Cognition

CREDIT HOURS: 3

Visual cognition is the study of how we extract meaning from our visual environment and use it to direct our behaviour. Emphasis is placed on object, face, and word recognition as revealed by normal behaviour, and by neuroimaging techniques and neuropsychological studies of brain-damaged individuals who have lost these recognition abilities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and NESC/PSYO 2130.03 or NESC/PSYO 2150.03

CROSS-LISTING: PSYO 3132.03

EXCLUSIONS: NESC/PSYO 3130.06

NESC 3133 Research Methods in Memory

CREDIT HOURS: 3

This course examines human memory from the perspective of cognitive psychology and, to a lesser extent, cognitive neuroscience. Lectures emphasize cognitive approaches to the study of memory with an explicit focus on empirical research methods, data, and interpretation of results.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and NESC/PSYO 2130.03

CROSS-LISTING: PSYO 3133.03

EXCLUSIONS: NESC/PSYO 3130.06

NESC 3134 Research Methods in Psycholinguistics

CREDIT HOURS: 3

Provides hands-on experience with various methodologies employed in the study of language processing, and uses these to explore topics in psycholinguistics in greater depth. Methods covered may include reaction time, priming, self-paced reading, computational modeling, corpus-based research, and event-related brain potentials. Students serve as experimenters and participants in class experiments.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and NESC/PSYO 3190.03

CROSS-LISTING: PSYO 3134.03

EXCLUSIONS: NESC/PSYO 3130.06

NESC 3137 Research Methods in Cognitive Neuroscience

CREDIT HOURS: 3

An overview of neuroimaging and other techniques of cognitive neuroscience (including fMRI, ERP, and others) focusing on how they work, how they are applied, and their inherent limitations. Labs include experience collecting and analyzing ERP data, demonstrations of fMRI scanning, and analysis of fMRI data.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and NESC/PSYO 2130.03

CROSS-LISTING: PSYO 3137.03

NESC 3161 Measuring Behaviour

CREDIT HOURS: 3

Measuring behaviour is essential in the study of ethology, behavioural neuroscience, developmental, social and clinical psychology. The function of this laboratory course is to teach methods of observing and scoring behavior using qualitative and quantitative methods. Sampling methods, behaviour description and analysis will be done in laboratory and naturalistic settings.

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or NESC 2007.03

CROSS-LISTING: PSYO 3161.03

NESC 3162 Advanced Animal Behaviour: Theories and Applications

CREDIT HOURS: 3

This course focuses on advanced theories and applications of animal behaviour, with a focus on proximate, integrative and applied questions. It offers a more in-depth analysis of topics covered in NESC/PSYO 2160.03 and explores trends and issues in contemporary ethology, animal psychology and behavioural ecology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007 or BIOL 3062.03 or BIOL 3630.03, and NESC/PSYO 2160.03

CROSS-LISTING: PSYO 3162.03

NESC 3165 Neuroethology

CREDIT HOURS: 3

Neuroethology explores how assemblies of neurons work together to produce behaviour. Neural control of selected behaviours from a wide range of animals, both invertebrate and vertebrate, are examined. From this comparative perspective an attempt is made to tease out common themes in the physiological control of behaviour. NOTES: All experiments in the accompanying lab involve insects. Students are required to handle insects during the lab.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: NESC/PSYO 2160.03 or BIOL 3062.03; and NESC/PSYO 2570.03 or BIOL 3078.03 and BIOL 3079.03 or MARI 3074.03 and MARI 3076.03; and PSYO 2000.03 or NESC 2007.03 or one of following Biology courses: 2003.03, 2004.03, 2020.03, 2030.03, 2060.03

CROSS-LISTING: PSYO 3165.03

NESC 3170 Hormones and Behaviour

CREDIT HOURS: 3

How chemical signals of the neural, endocrine, and immune systems interact to influence the brain and behaviour. How neurotransmitters, cytokines, and hormones control neural and behavioural development, sexual, aggressive, and maternal behaviour. Hormone receptors in the brain, reproduction, puberty, brain sex differences, and stress are also examined.

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either NESC/PSYO 2470.03 or PSYO 2770.03, or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03 (with a grade of B- or better)

CROSS-LISTING: PSYO 3170.03

EXCLUSIONS: NESC/PSYO 2170.03

NESC 3180 Psychoneuroimmunology/Ecological Immunology

CREDIT HOURS: 3

Our behaviour can influence how well we resist disease, and infection can alter behaviour. This course examines how immune systems and nervous systems interact in both vertebrates and invertebrates. Evolutionary forces that have led to the existence of these interactions are also examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either NESC/PSYO 2470.03 or PSYO 2770.03 or MICI 2100.03; OR BIOL 2020.03

CROSS-LISTING: PSYO 3180.03

NESC 3190 Psycholinguistics

CREDIT HOURS: 3

Explores the cognitive and neural bases of human language processing. Topics include: human language and other communication systems; phonology; morphology; semantics; syntax; discourse; first and second language acquisition; relationship of language to general cognitive functions such as music and mathematics; signed languages such as American Sign Language, and non-linguistic gesture.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and NESC/PSYO 2130.03

CROSS-LISTING: PSYO 3190.03

EXCLUSIONS: NESC/PSYO 2190.03

NESC 3227 Principles of Human Neuropsychology

CREDIT HOURS: 3

Clinical neuropsychologists study the organization of cognitive, emotional, and social functions in the brain to understand how brain damage alters human behaviour across the lifespan. We examine how clinicians diagnose and rehabilitate persons with brain diseases and disorders. Assignments emphasize application of textbook/lecture-based knowledge, critical thinking, and group presentation skills.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and NESC/PSYO 2470.03 or PSYO 2770.03; NESC/PSYO 2130.03 is helpful

CROSS-LISTING: PSYO 3227.03

NESC 3237 Drugs and Behaviour

CREDIT HOURS: 3

An introduction to behavioural psychopharmacology. The lectures involve basic anatomy, physiology, and chemistry of the nervous system. Behavioural effects and underlying mechanisms of various psychoactive drugs are discussed. Specific topics covered are alcohol, tobacco, amphetamines, cocaine, opiates, hallucinogens, tranquilizers, and antipsychotic drugs.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of NESC/PSYO 2470.03, NESC/PSYO 2570.03, or PSYO 2770.03

CROSS-LISTING: PSYO 3237.03

NESC 3260 Biological Rhythms

CREDIT HOURS: 3

Daily (circadian) clocks generate rhythms in many functions, including sleep, reproduction, and intellectual performance. This course examines the nature of these biological clocks, their neural mechanisms, and their roles in regulating sleep and other aspects of physiology and in pathological conditions, including sleep disorders, jet lag, and psychiatric disorders.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, and NESC/PSYO 2470.03 or PSYO 2770.03

CROSS-LISTING: PSYO 3260.03

NESC 3264 The Science of Sleep

CREDIT HOURS: 3

This course reviews the history, methods and results of the scientific study of sleep. Topics include: circadian and homeostatic regulation; developmental and cultural impacts; normal and abnormal function of neural and other control mechanisms; effects of sleep loss on performance and health; theories of the functions of sleep.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either NESC/PSYO 2470.03 or PSYO 2770.03; OR BIOL 2020.03

CROSS-LISTING: PSYO 3264.03

NESC 3270 Developmental Neuroscience

CREDIT HOURS: 3

This course presents the fundamentals of development in complex and simple nervous systems. Cell differentiation, pattern regulation, proliferation, migration, and circuit development are discussed. Special attention is given to later developmental events such as neuronal growth cones, cell death, growth factors, neuron-target interactions, and synapse formation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, NESC/PSYO 2470.03 and NESC/PSYO 2570.03

CROSS-LISTING: PSYO 3270.03

NESC 3370 Neuroscience Laboratory I

CREDIT HOURS: 3

Introduction to several neurophysiological techniques used in contemporary neuroscience, employing extracellular and intracellular electrical recording and stimulation methods on nervous system preparations, both sensory and motor. After introductory instruction, students in groups of 2 or 3 get to perform quite sophisticated practical experiments themselves, enabled by computer-based data acquisition.

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, NESC/PSYO 2470.03 and 2570.03, or NESC/PSYO 3270.03

CROSS-LISTING: PSYO 3370.03

NESC 3371 Neuroscience Laboratory II

CREDIT HOURS: 3

Introduction to several techniques used in contemporary neuroscience. Students work under supervision in groups of 2 or 3 in regular labs that introduce neuroanatomical analyses using the following: Golgi impregnation, immunocytochemistry, dye-tracing of connections, electronmicroscopy of the retina, and neurotransmitter determinations using HPLC.

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, NESC/PSYO 2470.03 and 2570.03, or NESC/PSYO 3270.03

CROSS-LISTING: PSYO 3371.03

NESC 3440 Neuroanatomy

CREDIT HOURS: 3

This is a survey of the structure and function of the human central nervous system (CNS, the brain and spinal cord). The laboratory component provides the opportunity to dissect the human brain and to study the microscopic anatomy of the CNS. This course provides the lecture and laboratory component for the graduate course ANAT 5100 Human Neuroanatomy. ORGANIZER: W. Baldrige

FORMAT: Lecture| Lab

PREREQUISITE: BIOL 2020.03 or permission of the instructor

NESC 3670 Genes, Brain and Behaviour

CREDIT HOURS: 3

The application of genetic techniques to the study of cognitive abilities, psychopathology, personality disorders, stress-related illnesses, and ethical issues in genetic research. The role of genetic factors in eating and drug abuse problems, as well as methods used to study gene-environment interactions are explored.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NESC/PSYO 2470.03 or PSYO 2770.03, AND BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03 or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30, or SCIE 1540.27 (with a grade of B or better); BIOL 2020.03 and BIOL 2030.03 are useful

CROSS-LISTING: PSYO 3670.03

EXCLUSIONS: NESC/PSYO 2670.03

NESC 3770 Behavioural Neuroscience

CREDIT HOURS: 3

Behavioural neuroscience explores the neural and hormonal mechanisms underlying a variety of behavioural phenomena. The course focuses on neural correlates of social and emotional behaviour, motor behaviour and patterns, and behavioural toxicology processes (neurotoxins and endocrine disruptors).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and NESC/PSYO 2470.03 or PSYO 2770.03

CROSS-LISTING: PSYO 3770.03

NESC 3775 Behavioural Neuroscience Laboratory

CREDIT HOURS: 3

Students motivated to pursue a career in Neuroscience, or in a related biomedical discipline, gain direct experience studying the nervous system in relation to behaviour. Students acquire skills in animal handling, ethics, and measuring behaviour. Emphasis is placed on histological/molecular analysis of the brain including examining protein and/or mRNA levels. SIGNATURE REQUIRED

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or NESC 2007, NESC 2470.03/PSYO 2470.03 or PSYO 2770.03, PSYO 2501.03 or STAT 2080.03, and one of NESC

2160.03/PSYO 2160.03 or NESC 3237.03 /PSYO 3237.03 or NESC 3770.03/PSYO 3770.03, and instructor's consent
CROSS-LISTING: PSYO 3775.03

NESC 3790 Neurolinguistics

CREDIT HOURS: 3

The course covers: (1) brain damage and language disorders; (2) aphasia; (3) localization of lesions in the human brain; (4) neuroimaging; (5) intracranial electric stimulation experiments; (6) event-related brain potential experiments; (7) PET, fNMR scan experiments; (8) neural models of language processing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NESC/PSYO 2470.03 or PSYO 2770.03

CROSS-LISTING: PSYO 3790.03

NESC 3970 Molecular Neuroscience

CREDIT HOURS: 3

This course examines the development, function, and pathology of the brain at the molecular level. Model systems are examined from the perspective of ion channels, messengers, receptors, intracellular signaling cascades, transcription factors, and genes. The concepts underlying basic cellular and molecular neuroscience tools are emphasized.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: NESC/PSYO 2570.03

CROSS-LISTING: PSYO 3970.03

NESC 4000 Senior Seminar

CREDIT HOURS: 3

An individually tailored reading or study course designed to allow Honours students to focus on a particular issue, or a set of related issues, that are not part of the regular program. Enrolment is contingent upon securing a faculty member to supervise the study program. SIGNATURE REQUIRED

COORDINATOR: J. Stamp

FORMAT: Seminar

CROSS-LISTING: PSYO 4000.03

NESC 4007 Contemporary Issues in Neuroscience

CREDIT HOURS: 3

This is a seminar course that focuses on a significant theme or topic in the research literature in Neuroscience. Topics vary from year to year. Consult the department for the details about course content. SIGNATURE REQUIRED

FORMAT: Seminar

PREREQUISITE: NESC Honours student, permission of the instructor.

NESC 4050 Topics in Perception

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PREREQUISITE: NESC/PSYO 3051.03 or instructor's consent

CROSS-LISTING: PSYO 4050.03

NESC 4070 Chemical Neurobiology

CREDIT HOURS: 3

The goal is to acquaint the student with neurotransmitters (excitatory amino acids, acetylcholine, monoamines, neuropeptides). Anatomical, biochemical, physiological, pharmacological, behavioral, and clinical aspects of individual neurotransmitter systems are discussed. Lectures are given by the instructors. Students are expected to write an examination and a review, and give a presentation.

FORMAT: Seminar

PREREQUISITE: NESC/PSYO 2470.03 and 2570.03, or NESC/PSYO 3270.03, or instructor's consent

CROSS-LISTING: NESC 5070.03

NESC 4130 Topics in Human Information Processing

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

CROSS-LISTING: PSYO 4130.03

NESC 4160 Topics in Behavioural Biology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

CROSS-LISTING: PSYO 4160.03

NESC 4170 Topics in Behavioural Neuroendocrinology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

CROSS-LISTING: PSYO 4170.03

RESTRICTIONS: Restricted to NESC/PSYO Honours Students

NESC 4177 Theoretical Neuroscience

CREDIT HOURS: 3

An introduction to basic concepts and research questions in computational neuroscience. This includes cellular mechanisms such as spike generation and synaptic plasticity, network-level concepts such as perceptrons and associative attractor networks, and system-level concepts such as memory, learning and anticipation. This course includes an introduction to MATLAB programming. SIGNATURE REQUIRED

FORMAT: Seminar

PREREQUISITE: Intended for third- or fourth-year Neuroscience students.

NESC 4185 Current Advances in Synaptic Function and Plasticity

CREDIT HOURS: 3

Key recent research studies in cellular and system neurophysiology are presented and critically discussed. Emphasis is placed on plasticity, synaptic function, excitability, dendritic integration, neural networks and relevant advances in experimental methods. Newly published papers within these areas are reviewed weekly, followed by a more extensive critique of two publications.

FORMAT: Seminar

PREREQUISITE: NESC 2570/PHYL 2570 or permission of course instructors

CROSS-LISTING: PHYL 4000.03

NESC 4230 Human Performance Topics

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

CROSS-LISTING: PSYO 4230.03

NESC 4374 Introduction to Pharmacology I

CREDIT HOURS: 3

See course description for PHAC 5406.03, in the Pharmacology section of the calendar.

NESC 4376 Introduction to Pharmacology II

CREDIT HOURS: 3

See course description for PHAC 5409.03, in the Pharmacology section of the calendar.

NESC 4500X/Y Honours Thesis

CREDIT HOURS: 6

Under a staff member's supervision, each student conducts original research in experimental neuroscience. Students meet to describe their proposed research and progress. A formal written report of the completed research is required. The final grade is based on originality and skill with emphasis on the written and oral reports. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Fourth-year Honours students, and instructor's consent

CROSS-LISTING: PSYO 4500X/Y.06

RESTRICTIONS: Restricted to Honours students in their graduating year

NESC 4740 Topics in the Neurobiology of Learning and Memory

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PREREQUISITE: NESC/PSYO 2470.03, NESC/PSYO 2140.03

CROSS-LISTING: PSYO 4740.03

Ocean Sciences

Location:

Building/Room: Life Sciences Centre

Street Address 1: Department of Oceanography

Street Address 2: 1355 Oxford Street

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-3557

Fax: (902) 494-3877

Website: www.dal.ca/oceanography

Email Address: oceanography@dal.ca

Introduction

Ocean Sciences includes the study of the physics, biology, geology, chemistry, and meteorology of the marine environment. Topic areas include ocean currents, waves, tides, marine sediments, oceanic crustal structure, nutrient cycling, acoustics, ocean-atmosphere coupling, biological production, marine biodiversity, and seawater properties, among others. Students enrolled in the Ocean Sciences program will be educated in the core oceanographic sub-disciplines of physical, geological, chemical, and biological oceanography, while also being exposed to issues in marine policy, law, and management. Graduates of the Ocean Sciences program will have gained an appreciation of the interdisciplinary and collaborative approaches often required to arrive at effective solutions to environmental problems relating to the oceans. They will have developed strong quantitative and practical skills, as well as a breadth of knowledge across ocean science disciplines. Ocean scientists are employed in research laboratories, universities, government agencies, and private industry. Career paths include environmental prediction, environmental monitoring and assessment, marine technology, marine surveying, marine resource use and extraction, and marine conservation.

NOTE: Not all courses are offered every year. Please consult the current timetable for this year's offerings.

Degree Programs

The Department of Oceanography offers the following degree programs in Ocean Sciences:

- BSc (120 credit hour) Honours (Concentrated)*
- BSc (120 credit hour) Combined Honours*
- BSc (120 credit hour) Major*
- BSc (120 credit hour) Double Major*
- Minor in Ocean Sciences

Programs in Oceanography available only to fourth year students:

- Combined Honours: Oceanography
- Double Major: Oceanography

* May be combined with Minor programs from other disciplines

NOTE: There is no 90 credit hour (3 year) degree program in Ocean Sciences.

Departmental Requirements for these programs are described below. In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with an Ocean Sciences undergraduate academic advisor.

Students who participated in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies. The following options fulfill the first year requirements for any Ocean Sciences program:

- SCIE 1515.36
- SCIE 1520.30
- SCIE 1530.27
- SCIE 1540.27, MATH 1000.03/MATH 1010.03 and PHYC 1300.06 or PHYC 1310.03/PHYC 1320.03
- SCIE 1505.18, Option A or B (MATH 1000.03/MATH 1010.03, PHYC 1300.06 or PHYC 1310.03/PHYC 1320.03)

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chairperson of Department

Hill, P. S. (902 494-1435)

Undergraduate Advisor

Metaxas, A. (902 494-3021)

Graduate Studies Coordinator

Kelley, D. (902 494-1694)

Professors Emeriti

Bowen, A. J., MA (Cantab), PhD (Scripps), FRSC

Cullen, J., AB (California), PhD (Scripps)

Fournier, R. O., MSc (Wm & Mary), PhD (URI)

Mills, E., BSc (CARL), MS, PhD (Yale), FLS

Moore, R. M., BA (Oxan), PhD (Southampton)

Professors

Baumont, C., BSc (Sussex), PhD (Dalhousie), Canada Research Chair

Boudreau, B. P., BSc (UNB), MS (Texas A & M), PhD (Yale), FRSC

Grant, J., BSc (Duke), PhD (South Carolina)

Hay, A., BSc, MSc (Western), PhD (UBC), Killam Professor

Hill, P. S., AB (Dartmouth), MSc, PhD (Wash)

Kelley, D., BSc (Mt. A), PhD (Dalhousie)

Kienast, M., BSc (Clausthal), MSc (Kiel), PhD (UBC) (CIFAR Scholar)

Lewis, M. R., BS, MS (UMd), PhD (Dalhousie)

Metaxas, A., BSc (McGill), MSc (UBC), PhD (Dalhousie)

Sheng, J., B.Eng. (East China Tech. Univ), MSc, PhD (MUN) (LRF Chair)

Taggart, C. T., BSc (Carleton), MSc (York), PhD (McGill)

Thomas, H., MSc (Düsseldorf), PhD (Rostock)

Thompson, K. R., BSc, MSc (UManc), PhD (Liv) (jointly with Mathematics and Statistics), Canada Research Chair

Wallace, D. W., BSc (U of East Anglia), PhD (Dalhousie), Canada Excellence Research Chair (CERC)

Associate Professors

Fennel, K., MSc, PhD (Rostock), Canada Research Chair

Ross, T., BSc (Manitoba), PhD (Victoria)

Assistant Professors

Algar, C. K., BSc (Laurentian), PhD (Dalhousie)

Barclay, D., BSc (McGill), PhD (Schripps, Univ of California)

Kienast, S., MSc (Kiel), PhD (UBC)

Instructor

deGelleke, L., BS (Univ of Hawaii at Manoa), MSc (Dalhousie)

Adjunct

Azetsu-Scott, K., BSc, MSc (Japan), PhD (Dalhousie)

Baumgartner, M., BSc (Notre Dame), MSc (Southern Mississippi), PhD (Oregon State)

Bowen, A. J., MA (Cantab), PhD (Scripps)

Craig, S., BSc, PhD (Strathclyde)

Cullen, J., AB (Calif, Santa Cruz), PhD (Scripps)

Cranford P., BSc, PhD (Dalhousie)

DiBacco, C., BSc, MSc (Dalhousie), PhD (Scripps)

Ellis, D., BSc (Mount A), MSc, PhD (McMaster)

Fournier, R. O., MSc (Wm & Mary), PhD (URI)

Frank, K. T., BSc, PhD (Toledo)

Greenberg, D. A., MMath (Waterloo), PhD (Liverpool)

Hebert, D., MS (U Vic), PhD (Dalhousie)
Hines, P., BS/BEng (Dalhousie), PhD (U Bath)
Johnson, B., BEng (North Carolina), PhD (Dalhousie)
Kortziger, A., PhD (Christian Albrecht)
Lee, K., BSc (Dalhousie), MSc, PhD (U of T)
Li, W. K. W., BSc (UBC), PhD (Dalhousie)
Louden, K. E., BA (Oberlin), EEd (Temple), PhD (MIT)
Lu, Y., BEng (Tsinghua), MSc (Qingdao), MSc (Memorial), PhD (UVic)
MacIntyre, H., BA (Cantab), MA (U Texas at Austin), PhD (U Delaware)
Milligan, T., BSc, MSc (Dalhousie)
Moore, R., BA (Oxan), PhD (Southampton)
Mosher, D. C., BSc (Acadia), MSc (MUN), PhD (Dalhousie)
Perrie, W., BSc (Toronto), MSc (California), PhD (MIT)
Piper, D. J. W., BA, MA, PhD (Cantab)
Ritchie, H., BSc (Mt. A), BA (Oxford), MSc, PhD (McGill)
Ruddick, B. R., BSc (UVic), PhD (MIT)
Smith, J., BSc (McGill), MA (Chicago), PhD (Toronto)

BSc (120 credit hour) Concentrated Honours in Ocean Sciences

Students who want a challenging program that results in a broad and in-depth background in Ocean Sciences, and includes an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Ocean Sciences with a minimum GPA of 3.3 and write a research-based Honours thesis. The Honours Qualifying Examination requirement is satisfied through completion of OCEA 4200.06.

Admission to Honours

Students considering Honours should consult with an Ocean Sciences Honours Advisor early in their studies.

Departmental Requirements

In addition to fulfilling the requirements outline in the Academic Regulations and College of Arts and Science Degree Requirements, students in a Concentrated Honours program in Ocean Sciences must complete the following courses:

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03
- Any two of the following three course sequences: BIOL 1010.03/BIOL 1011.03, CHEM 1011.03/CHEM 1012.03, EARTH 1080.03/ERTH 1090.03

OR Integrated Science Program (options above)

A "B+" average (3.3) must be attained in the following 2000, 3000, and 4000 level courses.

2000 level

- OCEA 2000.06 or OCEA 2001.03/OCEAN 2002.03 (minimum grade of "B")
- OCEA 2020.03/OCEA 2021.03 (minimum grade of "B")

3000 and 4000 level

- OCEA 3003.03
- A minimum of six credit hours each from three of the four Ocean Science areas (18 credit hours total). See Ocean Science Areas below.
- One additional six credit hours from any of the four Ocean Science areas.
- OCEA 3001.03 or OCEA 4120.03 must be included in one of the preceding two requirements.
- OCEA 4000.03
- OCEA 4401.03/OCEA 4402.03

- OCEA 4200.06

BSc (120 credit hour) Combined Honours in Ocean Sciences and another subject

Students who wish to study Ocean Sciences in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Ocean Sciences may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Ocean Sciences, this requirement is satisfied through OCEA 4200.06.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a BSc or BA Combined Honours program in Ocean Sciences and another subject must complete the following:

Ocean Sciences as the primary subject

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03
- Any two of the following three course sequences: BIOL 1010.03/BIOL 1011.03, CHEM 1011.03/CHEM 1012.03, EARTH 1080.03/ERTH 1090.03

OR Integrated Science Program (options above)

A “B+” average (3.3) must be attained in the following 2000-, 3000- and 4000- courses.

2000 level

- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03 (minimum grade of "B")
- OCEA 2020.03/OCEA 2021.03 (minimum grade of "B")

3000 and 4000 level

- OCEA 3003.03
- OCEA 3001.03 or OCEA 4120.03
- Six credit hours selected from: OCEA 3002.03, OCEA 4110.03, OCEA 4140.03
- An additional nine credit hours from the Ocean Science areas. See Ocean Science Areas (below).
- OCEA 4000.03
- OCEA 4401.03/OCEA 4402.03
- OCEA 4200.06

Ocean Sciences as the secondary subject

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03
- MATH 1060.03/STAT 1060.03
- Any two of the following three course sequences: BIOL 1010.03/BIOL 1011.03, CHEM 1011.03/CHEM 1012.03, EARTH 1080.03/ERTH 1090.03

OR Integrated Science Program (options above)

A “B+” average (3.3) must be attained in the following 2000-, 3000- and 4000- courses.

2000 level

- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03
- OCEA 2020.03/OCEA 2021.03

3000 and 4000 level

- OCEA 3003.03
- A minimum of six credit hours each from three of the four Ocean Sciences areas (18 credit hours total). See Ocean Sciences areas (below).
- OCEA 4000.03

BSc (120 credit hour) Major in Ocean Sciences

The 120 credit hour Major is suited to students who want to focus on Ocean Sciences, but wish to have a program that is somewhat less constrained than the Honours program. Ocean Science Majors complete a minimum of 42 credit hours in OCEA courses. Research and other experiential learning opportunities are available through laboratories, special topics and experiential courses.

Departmental Requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students in a Major program in Ocean Sciences must complete the following courses:

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- MATH 1060.03/STAT 1060.03
- Any two of the following three course sequences: BIOL 1010.03/BIOL 1011.03, CHEM 1011.03/CHEM 1012.03, EARTH 1080.03/ERTH 1090.03

OR Integrated Science Program (options above)

2000 level

- OCEA 2000.06 or OCEA 2001.03/OCEA 2002.03
- OCEA 2020.03/OCEA 2021.03

3000 and 4000 level

- OCEA 3003.03
- A minimum of six credit hours each from three of the four Ocean Science areas (18 credit hours total). See Ocean Science Areas (below).
- OCEA 4000.03
- OCEA 4401.03/OCEA 4402.03

BSc or BA (120 credit hour) Double Major in Ocean Sciences and another subject

The Double Major degree program allows students to combine a study of Ocean Sciences with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Ocean Sciences may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements, students must fulfill the requirements listed for the BSc (120 credit hour) Major in Ocean Sciences.

The Ocean Science course requirements for students in a Double Major program, with Ocean Sciences as the primary or secondary subject, are the same as for the Major program (above).

Minor in Ocean Sciences

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Ocean Sciences courses at the 2000 level or higher.

Please note that there are prerequisite requirements for entry into upper level Ocean Sciences courses (see Department of Oceanography course listings).

Ocean Science Areas

NOTE: Classes marked with an asterisk* are required in that area.

Physical Oceanography

OCEA 3001.03 and/or OCEA 4120.03*, OCEA 4210.03, OCEA 4220.03, OCEA 4222.03, OCEA 4311.03, OCEA 4411.03, OCEA 4412.03, OCEA 4505.03, OCEA 4520.03, OCEA 4541.03, OCEA 4550.03

Biological Oceanography

OCEA 4140.03*, OCEA 4160.03, OCEA 4230.03, OCEA 4330.03, OCEA 4335.03, OCEA 4370.03, OCEA 4380.03

Chemical Oceanography

OCEA 3002.03*, OCEA 3420.03 (NOTE: this course may fulfill a three credit hour requirement in either this Ocean Science Area or the Geological Oceanography Ocean Science Area, but not both), OCEA 4130.03, OCEA 4595.03

Geological Oceanography

OCEA 3004.03, OCEA 3420.03 (NOTE: this course may fulfill a three credit hour requirement in either this Ocean Science Area or the Chemical Oceanography Ocean Science Area, but not both), OCEA 4110.03*, OCEA 4115.03, OCEA 4470.03, OCEA 4480.03

See Oceanography section for course descriptions.

Combined Honours: Oceanography

Available to students in their fourth year.

Combined Honours Program: Marine Biology/Oceanography

Oceanography is intended to be the second honours subject and Marine Biology is intended to be the primary honours subject. The requirements for a combined honours program in Marine Biology/Oceanography are that the students take a minimum of 66 credit hours beyond 1000-level in the two subjects with not more than 54 nor fewer than 30 in either. Core Biology requirements for the current Marine Biology Program (e.g. 1000-3000 level courses in the Calendar) are unchanged. Other courses currently required by the Marine Biology Program in Chemistry, Mathematics, and Statistics are unchanged; however, the Oceanography Department strongly recommends completion of higher level mathematics and statistics courses.

To fulfill the requirements for the combined program, students will take 12 credit hours from required courses listed below. In addition, students will need to choose a minimum of 12 elective credit hours either from the required courses or elective listed below to complete the program. Finally, students working with faculty in Oceanography or Marine Biology on their honours research would be required to enroll in BIOL 4900.06 as well as BIOL 8880.00.

Required Courses

- OCEA 2000X/Y.06: The Blue Planet
- OCEA 2800.03: Climate Change
- OCEA 3001.03: Introduction to Physical Oceanography
- OCEA 3002.03: Introduction to Chemical Oceanography
- OCEA 3003.03: Introduction to Biological Oceanography
- OCEA 3004.03: The Last Billion Years
- OCEA 4140.03: Biological Oceanography
- BIOL 4900.06: Honours Thesis/Project
- BIOL 8880.00: Honours Qualifying Examination

Electives

- OCEA 3420.03: Geochemistry of Aquatic Environments
- OCEA 4000.03: Oceans and Global Change
- OCEA 4160.03: Fisheries Oceanography
- OCEA 4230.03: Biology of Phytoplankton
- OCEA 4330.03: Benthic Ecology
- OCEA 4331.03: History of Marine Sciences
- OCEA 4335.03: Environmental Impacts in Marine Ecosystems
- OCEA 4370.03: Deep Sea Biology
- OCEA 4380.03: Marine Modelling

Combined Honours Program: Chemistry/Oceanography

Oceanography is designated as the second subject of the Combined Honours Degree. At least 69 credit hours beyond the 1000 level are required in Chemistry and Oceanography/Related Sciences. CHEM 2101.03, CHEM 2201.03, CHEM 2301.03, CHEM 2302.03, CHEM 2401.03, and CHEM 2402.03 must be part of this combined honours program and must be passed with a grade of C or better.

The additional 48 credit hours must be chosen in consultation with the two departments involved, specifically the Honours Student Advisor in Chemistry and the Undergraduate Coordinator in Oceanography before registering in the combined program. Students should also consult the handbook "Undergraduate Studies in Chemistry" for more information.

Courses for Combined Honours with Oceanography degree.

Required marked with an asterisk (*).

First Year

- *CHEM 1011.03 + CHEM 1012.03: Concepts in Chemistry I & II or CHEM 1021.03 + CHEM 1022.03: Engineering Chemistry I & II
- *MATH 1000.03 + MATH 1010.03: Differential and Integral Calculus I & II
- *PHYC 1100.06 or PHYC 1300.06: Intro or Physics in and Around You
- *Writing Course - Language or Humanities
- *Social Science

2000 level courses (chemistry)

- *CHEM 2101.03 + CHEM 2201.03: Intro. Inorganic + Intro. Analytical
- *CHEM 2301.03 + CHEM 2304.03: Thermodynamics + Kinetics and Dynamics

- *CHEM 2401.03/CHEM 2402.03: Organic Chemistry

3000 and 4000 level courses (chemistry)

- *CHEM 3201.03: Spectroscopy & Separations
- *CHEM 4205.03: Chemometrics
- Three courses from CHEM 31XX, 33XX, 34XX, 4304†
- *CHEM 4901‡: Honours Research Project

Oceanography and related courses

- *OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- EARTH 2400.03: Marine Geoscience
- *OCEA 3001.03: Introduction to Physical Oceanography
- *OCEA 3002.03: Introduction to Chemical Oceanography
- OCEA 3003.03: Introduction to Biological Oceanography
- OCEA 3004.03: The Last Billion Years
- OCEA 3420.03: Geochemistry of Aquatic Environments
- *OCEA 4130.03: Chemical Oceanography
- OCEA 4331.03: History of Marine Sciences
- OCEA 4520.03: Introduction to Atmospheric Sciences
- OCEA 4595.03: Atmospheric Chemistry
- *OCEA 4200.06: Honours Research Project

† - CHEM 4205 is not taught every year; students may need to take it in the third year of their program.

‡ Students will conduct their Honours thesis work as OCEA 4200, but will defend their project in the Chemistry Department as part of CHEM 4901

1 - students are required to take EARTH 1080 + EARTH 1090 first

2 - students are required to take OCEA 3001 and OCEA 3002 first

3 - Students are required to take EARTH 1080 + EARTH 1090 first

4 - students are advised to take EARTH 1080 + EARTH 1090 first

5 - as available

6 - students are advised to take OCEA 4520 first

7 - students are required to take OCEA 4130 first

Students must take a total of nine credit hours of non-required CHEM courses and six credit hours of non-required OCEA and related courses.

In addition, six credit hours from MATH 2001 + MATH 2002 (calculus), or MATH 1060 + MATH 2080 (stats).

Recommended other courses (please review prerequisites):

- BIOL 1000, BIOL 3060, BIOL 4068
- EARTH 1080 + EARTH 1090, EARTH 1040 + EARTH 1050, EARTH 2410
- MATH 1400, 2001-2202, 2030-2300, 3110-3120-3260

Note: in the future, we could be adding a Methods and Instruments course and a Isotope Chemistry course

Combined Honours Program: Earth Sciences/Oceanography

Oceanography is designated as the second subject of the Combined Honours Degree. As a minimum, students must choose 66 credit hours beyond 1000-level in the two subjects with not more than 54 nor fewer than 30 in either; at a maximum, students will choose 78 credit hours beyond 1000-level in two subjects with not more than 54 nor fewer than 24 in either.

Four Required Oceanography Credits taken from:

- OCEA 2000.06: The Blue Planet
- OCEA 2800.03: Climate Change
- OCEA 3001.03: Introduction to Physical Oceanography
- OCEA 3002.03: Introduction to Chemical Oceanography
- OCEA 3004.03: The Last Billion Years
- OCEA 3420.03: Geochemistry of the Aquatic Environments

- OCEA 4110.03: Geological Oceanography
- OCEA 4331.03: History of Marine Sciences
- OCEA 4470.03: Introduction to Seismic Imaging
- OCEA 4200.06: Honors Thesis *

*Students registered for this course must take instruction in thesis writing along with students registered in EARTH 4200.06

These Oceanography credits must be combined with core Earth Sciences courses, which constitute 30 credit hours:

- EARTH 2000.015: Field School
- EARTH 2001.03: Earth Materials Science I
- EARTH 2002.03: Earth Materials Science II
- EARTH 2050.03: Principles of Geophysics I
- EARTH 2110.03: Field Methods
- EARTH 2203.03: Sediments and Sedimentary Rocks
- EARTH 2205.03: Introduction to Palaeontology
- EARTH 3000.015: Computer Camp
- EARTH 3140.03: Structural Geology
- EARTH 3303.03: Stratigraphy
- EARTH 4000.00: Advanced Field School (NB: 0 credit hours)
- EARTH 4350.03: Tectonics

Additional EARTH credit hours will be chosen from the following list so that the total of OCEA and EARTH courses is between 66 and 78 credit hours.

- EARTH 2400.03: Marine Geosciences (recommended)
- EARTH 3010.03: Igneous Petrology
- EARTH 3020.03: Metamorphic Petrology
- EARTH 3302.03: Quaternary Sedimentary Environments
- EARTH 3500.03: Exploring GIS
- EARTH 4152.03: Fossil Fuels
- EARTH 4270.03: Applied Geophysics
- EARTH 4430.03: Quaternary Dating and Palaeoclimatology
- EARTH 4502.03: Micropalaeontology and Global Change
- EARTH 4520.03: GIS Applications to Environmental
- EARTH 4530.03: Environmental Remote Sensing

Combined Honours Program: Mathematics/Oceanography

Mathematics is intended to be the primary honours subject and Oceanography the second subject. The requirements for a combined honours program in Mathematics/Oceanography are that the students take a minimum of 66 and a maximum of 84 credit hours beyond the 1000 level in the two subjects with not more than 54 nor fewer than 30 in each. Oceanography courses must be chosen in consultation with the Honours Project advisors.

Required Courses

- MATH 2001.03/MATH 2002.03: Intermediate Calculus
- MATH 2030.03/MATH 2135.03: Linear Algebra
- MATH 2505.03: Analysis
- One of:
 - MATH 3030.06: Abstract Algebra or
 - MATH 3500.06: Analysis
- Six credit hours in MATH at 4000 level.
- OCEA 2000.06: The Blue Planet
- OCEA 3001.03: Introduction to Physical Oceanography
- Plus MATH 4950 or OCEA 4200 (Honours Research Project)

Recommended Mathematics Courses

- MATH 2120.03/MATH 3120.03: Differential Equations
- MATH 3210.03: Introduction to Numerical Analysis
- MATH 4220.03/MATH 4230.03: Partial Differential Equations

Remaining Oceanography Electives Should Be Chosen From:

- OCEA 2800.03: Climate Change
- OCEA 3002.03: Introduction to Chemical Oceanography
- OCEA 3003.03: Introduction to Biological Oceanography
- OCEA 3004.03: The Last Billion Years
- OCEA 4110.03: Geological Oceanography
- OCEA 4140.03: Biological Oceanography
- OCEA 4160.03: Fisheries Oceanography
- OCEA 4210.03: Time Series Analysis in Oceanography and Meteorology
- OCEA 4220.03: Numerical Modelling of Atmospheres and Oceans
- OCEA 4221.03: Ocean Dynamics
- OCEA 4222.03: Estuary, Coast and Shelf Dynamics
- OCEA 4250.03: Acoustical Oceanography
- OCEA 4290.03: Advanced Chemical Oceanography
- OCEA 4311.03: Fluid Dynamics I
- OCEA 4335.03: Environmental Impacts in Marine Ecosystems
- OCEA 4380.03: Marine Modelling

Combined Honours Program: Physics/Oceanography

Oceanography is designated as the second subject of the Combined Honours Degree. At least 66 credit hours beyond the 1000 level are required in Physics and Oceanography. The additional 54 credit hours must be chosen in consultation with the two departments involved, specifically the Honours Student Advisor in Physics and the Undergraduate Coordinator in Oceanography, before registering in the combined program.

Required Physics courses are:

2000 level:

- PHYC 2140.03: Physics Tools: Theory
- PHYC 2150.03: Physics Tools: Experiment.
- PHYC 2515.03: Modern Physics
- PHYC 2510.03: Electricity and Magnetism.

3000 level:

- PHYC 3000.03/PHYC 3010.03: Experimental Physics
- PHYC 3200.03: Thermodynamics
- PHYC 3210.03: Statistical Mechanics
- PHYC 3590.03: Advanced Classical Mechanics
- PHYC 3540.03: Optic and Photonics

4000 level:

- PHYC 4800.03/PHYC 4850.03 two Honours Projects*
- PHYC 4160.03: Math Methods in Physics
- PHYC 4100.03: Electrodynamics.

Other required courses as dictated by pre-requisites for the different physics courses offered:

- CHEM 1011.03/CHEM 1012.03: Concepts in Chemistry I/II
- MATH 1000.03/MATH 1010.03: Differential and Integral Calculus I/II
- MATH 2001.03/MATH 2002.03: Intermediate Calculus I/II
- MATH 2030.03: Matrix Theory and Linear Algebra I and (MATH 2135.03: Linear Algebra or MATH 2300.03: Mathematical Modelling I or MATH 2400.03: Introduction to Numerical Computing)
- MATH 3110.03/MATH 3120.03: Differential Equations I/II

A six credit hour course in scientific computer programming (e.g. PHYC 2050: Computer Simulations in Science) is recommended to be taken before the end of the second year.

* the 2nd honours projects (PHYC 4850) can be a continuation of the first one (PHYC 4800). The projects need to have a strong oceanographic component, with a supervisor or co-supervisor chosen from the faculty members in the Department of Oceanography.

The Oceanography component is comprised of the following courses:

Required Oceanography Courses:

- OCEA 2000X/Y.06 or OCEA 2001A/OCEA 2002B: The Blue Planet
- OCEA 4120.03: Physical Oceanography
- OCEA 4311.03: Fluid Dynamics I

The following courses are available to fill the remaining OCEA credits*:

- OCEA 4130.03: Chemical Oceanography
- OCEA 4210.03: Time Series Analysis in Oceanography and Meteorology
- OCEA 4220.03: Numerical Modelling of Atmospheres and Oceans
- OCEA 4221.03: Ocean Dynamics
- OCEA 4222.03: Estuary, Coast and Shelf Dynamics
- OCEA 4250.03: Acoustical Oceanography
- OCEA 4520.03: Introduction to Atmospheric Science
- OCEA 5680.03: Ecosystem Modelling of Marine and Freshwater Environments (cross-listed as ENGM 4680)

* Students are responsible for fulfilling all pre-requisite courses or obtaining the permission of the instructor to enroll. Students in the program must consult regularly with the Undergraduate Coordinator in each Department.

Combined Honours Program: Statistics/Oceanography

Oceanography is designated as the second subject of the Combined Honours Degree. As a minimum, students must choose 66 credit hours beyond the 1000 level in two subjects, with not more than 54 nor fewer than 30 credit hours in either. At a maximum, the student will choose 84 credit hours beyond the 1000 level in two subjects, with no more than 54, nor fewer than 30 in either. Oceanography courses must be chosen in consultation with the Honours Project supervisors.

Required Oceanography Credits taken from:

- OCEA 2000.06: The Blue Planet (or equivalently OCEA 2001.03/OCEA 2001.03)
- OCEA 3001.03: Introduction to Physical Oceanography

Elective Oceanography courses¹ taken from the following list so that the total number of OCEA credits is at least four.

- OCEA 2800.03: Climate Change
- OCEA 3002.03: Introduction to Chemical Oceanography
- OCEA 3003.03:² Introduction to Biological Oceanography
- OCEA 3004.03: The Last Billion Years
- OCEA 4110.03: Geological Oceanography
- OCEA 4140.03:² Biological Oceanography
- OCEA 4160.03: Fisheries Oceanography
- OCEA 4210.03/ STAT 4390.03: Time Series Analysis in Oceanography and in Meteorology
- OCEA 4220.03: Numerical Modelling of Atmospheres and Oceans
- OCEA 4221.03: Ocean Dynamics
- OCEA 4222.03: Estuary, Coast and Shelf Dynamics
- OCEA 4250.03: Acoustical Oceanography
- OCEA 4311.03: Fluid Dynamics I
- OCEA 4330.03: Benthic Ecology
- OCEA 4335.03: Environmental Impacts in Marine Ecosystems
- OCEA 4370.03: Deep Sea Biology
- OCEA 4380.03: Marine Modelling

Required Statistics/Mathematics Courses

- MATH 2001.03: Intermediate Calculus I

- MATH 2002.03: Intermediate Calculus II
- MATH 2030.03: Matrix Theory and Linear Algebra I
- MATH 2040.03: Matrix Theory and Linear Algebra II
- STAT 2050.03: Exploratory Data Analysis
- STAT 2060.03: Introduction to Probability and Statistics
- STAT 2080.03: Statistical Methods for Data Analysis and Inference
- STAT 3340.03: Regression and Analysis of Variance
- STAT 3360.03: Probability
- STAT 3460.03: Intermediate Statistical Theory

At least two half courses chosen from:

- STAT 4066.03: Advanced Statistical Theory I
- STAT 4350.03: Applied Multivariate Analysis
- STAT 4620.03: Data Analysis
- STAT 4390.03/OCEA 4210.03: Time Series Analysis I

Elective Statistics/Mathematics courses taken from the following list so that the total of OCEA and STAT credit hours is at least 66.

- MATH 3110.03: Differential Equations
- STAT 3345.03: Environmental Risk Assessment
- STAT 4066.03: Advanced Statistical Theory I
- STAT 4350.03: Applied Multivariate Analysis
- STAT 4620.03: Data Analysis
- STAT 4390.03/OCEA 4210: Time Series Analysis I

Either

- OCEA 4200.06:³ Honours Thesis or
- STAT 4950.03:³ Honours Research Project

¹ - Students should be aware of prerequisites or permissions needed for any of these courses.

² - Only one of OCEA 3003 and OCEA 4140 can be counted towards the Combined Honours degree. OCEA 3003 is currently given in the summer session.

³ - Students in the program must have co-supervisors in each Department, unless the advisor is Cross- or Joint-Appointed or holds Adjunct status in the other Department.

Note: Cross-listed courses can only be counted once for the fulfillment of degree requirements.

Double Major: Oceanography

Available to students in their fourth year.

Students should follow the requirements for a Combined Honours program (see sub-sections above), but replace the Honours thesis with other MARI/OCEA, CHEM/OCEA, EARTH/OCEA, MATH/OCEA, PHYS/OCEA, STAT/OCEA courses.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Minors available to students in Ocean Sciences

Minor programs allow students to develop subject specialities in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc programs

Students in a BSc program in Ocean Sciences may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc in Ocean Sciences, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

OCEA 1000X/Y Conversations with Ocean Scientists

CREDIT HOURS: 6

Students engage with working ocean scientists about their research, its relevance, and how to communicate science to different audiences. In addition to regular writing exercises that include journaling, blogging, and lab reporting, students compose a research paper and follow it through the process of submission and peer-review for an in-class journal.

FORMAT: Lecture| Tutorial

COREQUISITE: MATH 1000.03 or MATH 1215.03 and STAT 1060.03

OCEA 2000X/Y The Blue Planet

CREDIT HOURS: 6

This course provides a general survey of oceanography. It is designed to develop an understanding of the ocean and of the science of oceanography. Students learn about the geological, chemical, physical and biological processes at work in the sea. Consideration is also given to human impacts.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. The exception is for Marine Biology Co-op students, who can enroll in OCEA 2001X.03 and OCEA 2002Y.03 in non-consecutive terms if their program demands conflict with a full year enrollment.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: OCEA 2001.03/2002.03, OCEA 2850.06, OCEA 2851.03/2852.03

OCEA 2001 The Blue Planet I

CREDIT HOURS: 3

This course provides a general survey of oceanography. It is designed to develop an understanding of the ocean and of the science of oceanography. Students learn about the geological, chemical, physical and biological processes at work in the sea. Consideration is also given to human impacts.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. The exception is for Marine Biology Co-op students, who can enroll in OCEA 2001X.03 and OCEA 2002Y.03 in non-consecutive terms if their program demands conflict with a full-year enrollment.

EXCLUSIONS: OCEA 2000.06, OCEA 2850.06, OCEA 2851.03/2852.03

OCEA 2002 The Blue Planet II

CREDIT HOURS: 3

This course provides a general survey of oceanography. It is designed to develop an understanding of the ocean and of the science of oceanography. Students learn about the geological, chemical, physical and biological processes at work in the sea. Consideration is also given to human impacts.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms. The exception is for Marine Biology Co-op students, who can enroll in OCEA 2001X.03 and OCEA 2002Y.03 in non-consecutive terms if their program demands conflict with a full-year enrollment.

OCEA 2020 Tools and Concepts in Ocean Sciences I

CREDIT HOURS: 3

Students gain practical insights oceanographic concepts introduced in OCEA 2000.06 through lab exercises. Labs focus on instruments, building/calibration a sensor,

ocean optics and acoustics, mapping and remote sensing, particle dynamics, ocean oxygen and pH. Labs involve data acquisition and analyses to develop quantitative skills. Some familiarity with 'R' programming is recommended.

FORMAT: Lab

LAB HOURS PER WEEK: 3

COREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03); or permission of instructor.

PREREQUISITE: MATH 1000.03; STAT 1060.03; PHYC 1280/1290.03 (or PHYC 1300.06); at least 1 credit from BIOL 1010/1011 or (BIOL 1020.03/1021.03), or CHEM 1011.03/1012.03, EARTH 1080.03/1090.03 ; or permission of instructor.

OCEA 2021 Tools and Concepts II

CREDIT HOURS: 3

Following OCEA 2020.03, students gain additional practical insight through lab exercises. Labs again involve various instruments with the focus on ocean nutrients, convection, waves, Coriolis effect, primary and secondary production and biomass, production modeling, and an Aquatron mesocosm study. Additional data acquisition and analyses in 'R' will further enhance quantitative skills.

FORMAT: Lab

LAB HOURS PER WEEK: 3

COREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03); or permission of instructor

PREREQUISITE: OCEA 2020.03

OCEA 2800 Climate Change

CREDIT HOURS: 3

See course description for PHYC 2800.03 in the Physics and Atmospheric Science section of this calendar.

CROSS-LISTING: PHYC 2800.03, GEOG 2800.03

EXCLUSIONS: ECON2850.06, PHYC2850.06

OCEA 3001 Introduction to Physical Oceanography

CREDIT HOURS: 3

This course introduces Ocean Physics, focusing on issues of interest to undergraduates in ocean-related disciplines. The approach is to bind facts together with ideas, often starting with thought experiments and proceeding to simple mathematical models.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03); OCEA 2020.03; OCEA 2021.03; or permission of Instructor

EXCLUSIONS: OCEA 3170

OCEA 3002 Introduction to Chemical Oceanography

CREDIT HOURS: 3

This course provides students with a basic understanding of the composition of seawater and the processes that leads to this composition. This understanding is both qualitative and quantitative through the use of thermodynamic, kinetic and box models to describe the balances that produce the observed chemical distributions.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03 and CHEM 1012.03 or equivalents, and OCEA 2000.06 (or OCEA 2001.03/2002.03); OCEA 2020.03; OCEA 2021.03; or permission of instructor

EXCLUSIONS: OCEA 3170

OCEA 3003 Introduction to Field Oceanography

CREDIT HOURS: 3

This course explores interrelationships between living organisms in the sea and the ocean environment. Biological processes are introduced in the context of the physical and chemical oceanography. The emphasis is on sea-going field work on day trips in local marine waters and hands-on laboratory investigation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 2000

CROSS-LISTING: MARI 3003.03, BIOL 3003.03

OCEA 3004 The Last Billion Years

CREDIT HOURS: 3

This course examines major events in Earth history. The geological evidence of major events will be described, and the hypothesized causes of the events will be examined. The goal of this course is to develop on the part of students an understanding of the functioning of the earth/ocean/atmosphere system.

PREREQUISITE: OCEA 2000X/Y or EARTH 1080

OCEA 3420 Geochemistry of Aquatic Environments

CREDIT HOURS: 3

This course is an introduction to the governing principles and processes of aquatic geochemistry. Specific topics will include physical chemistry of natural waters, kinetics of geochemical reactions, the hydrologic cycle, the carbonate system and pH, redox reactions, weathering and mineral-solution equilibria, controls on the composition of rainwater, rivers, and oceans.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 1011.03/1012.03 or equivalent and EARTH 1080.03/1090.03

CROSS-LISTING: EARTH 3420.03

OCEA 3685 Gulf of Eilat Ecosystem

CREDIT HOURS: 3

Introduction to physical, chemical, and biological oceanography, marine geology, biogeochemistry, and coral-reef biology. Focus is on subtropical seas, the coral reef ecosystem, and the unique characteristics of the Gulf of Eilat. Lectures, laboratories, demonstrations, field trips, exam, group field research projects in the sea, oral presentation, and scientific research paper.

NOTES: This is a field course given at the Eilat Ocean Studies Centre in Israel. Entry is restricted and requires submission of an application form

FORMAT: Lecture| Lab

PREREQUISITE: OCEA 2000, STAT 1060, permission of instructor

CROSS-LISTING: MARI 3685.03

OCEA 4000 Oceans and Global Change

CREDIT HOURS: 3

This course examines the role and response of the Oceans to global change, including alterations in currents and circulation, increases in sea level and storm surges, changes in ocean chemistry, modification to the types and patterns of sediment deposition, alterations in the abundances and distributions of organisms, and overall productivity. The course will discuss means of predicting these changes and their effects.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 3001.03, OCEA 3002.03, OCEA 4110.03, OCEA 4140.03 or permission of Instructor

OCEA 4110 Geological Oceanography

CREDIT HOURS: 3

This course is intended to give a broad survey of topics in marine geology and geophysics. The course content covers recent methods and observations with quantitative applications to an understanding of geophysical and geological processes. Some topics covered are: plate tectonics; seismic, heat flow, gravity, and magnetic methods; patterns and processes of sediment transport and deposition.

NOTES: Some laboratory exercises may augment the lectures. Third year and honours undergraduates will be admitted by consent of the instructor. No previous background in Geology or Geophysics is required.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03); OCEA 2020.03; OCEA 2021.03; or permission of instructor.

CROSS-LISTING: OCEA 5110.03, EARTH 4110.03

OCEA 4115 Micropaleontology and Global Change

CREDIT HOURS: 3

See course description for EARTH 4502 in the Earth Sciences section of this calendar.

CROSS-LISTING: EARTH 4502.03

OCEA 4120 Physical Oceanography

CREDIT HOURS: 3

This course introduces undergraduate students to the physical properties and dynamics of the oceans. Topics range from global circulation down to the small scales of turbulence. Fact and theory are blended throughout. Quantitative problem solving is emphasized in assignments.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03, MATH 1010.03, classic calculus or equivalent, and permission of the instructor

CROSS-LISTING: OCEA 5120.03

RESTRICTIONS: Third- and fourth-year students only

OCEA 4130 Chemical Oceanography

CREDIT HOURS: 3

This course covers the major and minor constituents of sea water, the controls on its chemical composition, nutrient cycling, gas exchange and the influence of the oceans on atmospheric chemistry. Other topics included are chemical tracers, and radiochemical dating methods, stable isotope studies, chemical speciation and chemical models of sea water.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 2000, OCEA 3002 or instructor's consent

CROSS-LISTING: OCEA 5130.03

OCEA 4140 Biological Oceanography

CREDIT HOURS: 3

The goal is to describe how physical, chemical and biological processes interact to determine the species composition, biogeochemical activities, and trophic structure of marine communities. Outstanding problems currently facing biological oceanographers and earth systems scientists are discussed, as are current attempts and methodologies to address them.

NOTES: Biological oceanography is a quantitative science and extensive problem solving is required. Students should be competent in mathematics through calculus.

Permission of instructor is required.

PREREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03); OCEA 2020.03; OCEA 2021.03; or permission of instructor

CROSS-LISTING: OCEA 5140.03, BIOL 4661.03, 5661.03, MARI 4661.03

OCEA 4160 Fisheries Oceanography

CREDIT HOURS: 3

Oceanographic influences on ecology of marine fish: on population dynamics, distribution, abundance, reproduction, life history, feeding, growth, metabolism, mortality, and recruitment. Emphasis on contemporary hypotheses and primary literature and some on fishery management. Primary-publication-style research paper required. Competence with fundamental population dynamics, ecology, physical oceanography, mathematics, and statistical analyses expected.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 2000.06 or 2001.03 or 2002.03, BIOL 2060.03 and/or 3067.03 or equivalent. MATH/STAT 1060.03 and/or 2080.03 or equivalent or instructor's consent.

CROSS-LISTING: BIOL 4369.03, MARI 4369.03, OCEA 5160.03

OCEA 4200X/Y Honours Research

CREDIT HOURS: 6

This course is required for students enrolled in the Concentrated Honours in Ocean Sciences, and certain streams of the Combined Honours in Oceanography program. It consists of a research project under the supervision of a faculty member, and should include an original component in oceanography. Students are required to participate in weekly meetings of the class and make a presentation (oral or poster) at the annual CDOGS meeting in March.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

PREREQUISITE: Permission given by instructor.

OCEA 4210 Time Series Analysis in Oceanography and Meteorology

CREDIT HOURS: 3

This course describes the application of advanced time series analysis in oceanography and meteorology. Time and frequency domain approaches are covered. Students will develop their own computer programs to analyze real observations. Specific topics include stationarity, auto and cross covariance functions, power and cross spectra, and state space models.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: STAT 4390.03/5390.03, OCEA 5210.03

OCEA 4220 Numerical Modelling of Atmospheres and Oceans

CREDIT HOURS: 3

This course discusses numerical modelling techniques for simulating atmospheric and oceanic circulations. Material includes: review of governing equations; finite difference, finite element, and spectral methods; Eulerian, semi-implicit and semi-Lagrangian time integration techniques; accuracy and stability analyses; data assimilation and ensemble prediction methods; and boundary treatment for ocean models.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: 1000-level calculus course and instructor's consent

CROSS-LISTING: OCEA 5220.03

OCEA 4221 Ocean Dynamics

CREDIT HOURS: 3

An advanced course for students in Physical Oceanography and Atmospheric Science that studies the basic equations governing rotating geophysical flows, plus applications. Topics include geostrophy, conservation of potential vorticity, quasi-geostrophic dynamics, geostrophic adjustment, response to surface forcing (steady and unsteady).

CROSS-LISTING: OCEA 5221.03

OCEA 4222 Estuary, Coast and Shelf Dynamics

CREDIT HOURS: 3

This course discusses the physical processes that operate on continental shelves to create long waves, tides, tidal mixing, thermohaline circulation, wind forcing, upwelling, etc. Both observations and models for these processes are discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: OCEA 4120.03

CROSS-LISTING: OCEA 5222.03

OCEA 4230 Biology of Phytoplankton

CREDIT HOURS: 3

This class presents the phytoplankton in the context of their evolutionary history and ecological diversity, with an emphasis on their adaptations and acclimation to different environments and their role in food webs and in biogeochemical cycling.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: BIOL 4662.03, OCEA 5230.03, MARI 4662.03

OCEA 4250 Acoustical Oceanography

CREDIT HOURS: 3

This class covers the basic theory of sound propagation and scattering in the ocean environment, and the applications to acoustic remote sensing of the ocean interior. Topics include: normal modes; ray theory; scattering from particles, bubbles and biota; sonar theory and operation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2001.03 and 2002.03 or equivalent and instructor's consent

CROSS-LISTING: OCEA 5250.03

OCEA 4290 Advanced Chemical Oceanography

CREDIT HOURS: 3

This course presents research topics in chemical oceanography, taught as 3-4 self-contained modules. Examples include, the oceanic CO₂ system and its relation to climate change, chemical reactions in sediments, photochemistry in the upper ocean, and inferring the chemistry of ancient oceans through the isotope record in sediments.

PREREQUISITE: Students will have completed all required 3000 level courses in Oceanography, OCEA 4130, and have the consent of the instructor of this course.

CROSS-LISTING: OCEA 5290.03

RESTRICTIONS: Open only to students enrolled in the combined Honours in Chemistry and Oceanography

OCEA 4311 Fluid Dynamics I

CREDIT HOURS: 3

An introduction to the theory of fluid dynamics, with some emphasis on geophysically important aspects. Contents: tensor mathematics, flow kinematics, equations of

motion, viscous flow, potential flow, convection, turbulence, and basic aerodynamics. Occasional reference will be made to current research topics, especially those in Physical Oceanography.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Intended for first-year graduate students in physical oceanography, but graduate students or senior undergraduates in Mathematics or Physics are invited to take it (subject to instructor approval)

CROSS-LISTING: PHYC 4311.03, PHYC 5311.03, OCEA 5311.03

OCEA 4330 Benthic Ecology

CREDIT HOURS: 3

A graduate/fourth year undergraduate course on major problems of benthic ecology, such as food supply to benthic animals, and geomicrobiological processes in sediments. Classes consist of two lectures per week and one journal paper discussion session. The last three weeks of the course are devoted to a class research project.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: BIOL 4666.03, OCEA 5330.03, MARI 4666.03

OCEA 4331 History of Marine Sciences

CREDIT HOURS: 3

In this course, we will trace the history of marine sciences from the ancients to the 20th century. Topics may include ancient cosmologies, voyages of discovery, ocean circulation, and a range of scientific perspectives and technological developments that have shaped human understanding of the oceans.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: BIOL 4664.03, OCEA 5331.03, SCIE 4001.03, HIST 3073.03, HSTC 3331.03, MARI 4664.03

OCEA 4335 Environmental Impacts in Marine Ecosystems

CREDIT HOURS: 3

Consideration of various activities in marine environments, with focus on ecosystem level influences: dispersion, elemental fluxes, benthic impacts, food webs, biodiversity. Simulation modelling of ecosystems is undertaken using Simile OOP software. Classes include lectures, modelling examples, and discussion of research papers. Course requirements consist of problem sets and modelling project.

FORMAT: Lecture

COREQUISITE: BIOL 2060.03, MATH 1000.03, STAT 1060, or permission of the instructor.

CROSS-LISTING: OCEA 5335.03, BIOL 4335.03, MARI 4335.03

OCEA 4370 Deep Sea Biology

CREDIT HOURS: 3

We focus on the biology of organisms inhabiting the deep sea: physiological adaptations to the physicochemical and geological environment; spatial and temporal distributions of biological assemblages; and regulatory factors of these assemblages, such as currents, food availability, reproduction and recruitment. Also, we delve into unique habitats, such as hydrothermal vents.

PREREQUISITE: BIOL 2060.03 and OCEA 2000.06

CROSS-LISTING: BIOL 4370.03, MARI 4370.03, OCEA 5370.03

OCEA 4380 Marine Modelling

CREDIT HOURS: 3

This course provides a survey of modelling techniques applied to physical, biological and biogeochemical problems in oceanography. Lecture material covers the philosophy of modelling, dimensional analysis, parameterization of various processes, numerical approaches to solving differential equations, etc. Students are given the opportunity to study topics of particular interest to them.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03; MATH 1010.03; OCEA 2020.03; OCEA 2021.03; or permission of instructor

CROSS-LISTING: OCEA 5380.03

OCEA 4401 Marine Management I

CREDIT HOURS: 3

This course exposes students with a marine science background to the increasing need for marine scientists and ocean managers and policy makers to work collaboratively to address the interdisciplinary nature of the problems confronting the world's oceans. This course is restricted to 4th year students with a marine science background.

FORMAT: Lecture

PREREQUISITE: OCEA 2000.06 (or OCEA 2001.03/2002.03)

RESTRICTIONS: Restricted to 4th year students

OCEA 4402 Marine Management II

CREDIT HOURS: 3

Students focus on the linkages between ocean governance and ocean science to understand the role of marine science in informing and influencing decisions affecting coastal and marine space and resources at multiple geographic and jurisdictional scales. This course is restricted to 4th year students with a marine science background.

PREREQUISITE: OCEA 2000.06 (or OCEA 1002.03/2002.03)

OCEA 4411 Atmospheric Dynamics I

CREDIT HOURS: 3

See course description for PHYC 4411.03 in the Physics and Atmospheric Science section of this calendar.

PREREQUISITE: PHYC 2140.03, or instructor's consent

CROSS-LISTING: OCEA 5411.03, PHYC 4411.03/5411.03

OCEA 4412 Atmospheric Dynamics II

CREDIT HOURS: 3

See course description for PHYC 4412.03 in the Physics and Atmospheric Science section of this calendar.

PREREQUISITE: OCEA 4411.03/5411.03 or PHYC 4411.03/5411.03, or instructor's consent

CROSS-LISTING: OCEA 5412.03, PHYC 4412.03/ PHYC 5412.03

OCEA 4470 Introduction to Seismic Imaging

CREDIT HOURS: 3

See course description for EARTH 4470.03 in the Earth Sciences section of this calendar.

PREREQUISITE: EARTH 3270.03, or instructor's consent

CROSS-LISTING: OCEA 5470.03, EARTH 4470.03/5470.03

OCEA 4480 Advanced Seismic Imaging

CREDIT HOURS: 3

See course description for EARTH 4480.03 in the Earth Sciences section of this calendar.

PREREQUISITE: EARTH 4470.03, or instructor's consent

CROSS-LISTING: EARTH 4480.03, EARTH 5480.03, OCEA 5480.03

OCEA 4505 Atmospheric Physics

CREDIT HOURS: 3

See course description for PHYC 4505.03 in the Physics & Atmospheric Science section of this calendar.

CROSS-LISTING: OCEA 5505, PHYC 4505/5505

OCEA 4520 Introduction to Atmospheric Science

CREDIT HOURS: 3

See course description for PHYC 4520.03 in the Physics and Atmospheric Science section of this calendar.

PREREQUISITE: PHYC 2140.03, or instructor's consent

CROSS-LISTING: OCEA 5520.03, PHYC 4520.03/5520.03

OCEA 4541 Synoptic Meteorology I

CREDIT HOURS: 3

See course description for PHYC 4540.03 in the Physics and Atmospheric Science section of this calendar.

COREQUISITE: OCEA 4411.03

PREREQUISITE: At least one third-year Physics course

CROSS-LISTING: OCEA 5541.03, PHYC 4541.03/5541.03

OCEA 4550 Synoptic Meteorology II

CREDIT HOURS: 3

See course description for PHYC 4550.03 in the Physics and Atmospheric Science section of this calendar.

PREREQUISITE: OCEA 4541.03, or PHYC 4540

CROSS-LISTING: OCEA 5550.03, PHYC 4550.03/5550.03

OCEA 4595 Atmospheric Chemistry

CREDIT HOURS: 3

See course description for PHYC 4595.03 in the Physics and Atmospheric Science section of this calendar.

PREREQUISITE: PHYC 2140.03 and a first-year chemistry course

CROSS-LISTING: OCEA 5595.03, PHYC 4595.03, PHYC 5595.03, CHEM 4595.03

Physics and Atmospheric Science

Location:

Building/Room: Sir James Dunn Science Building

Street Address 1: 6310 Coburg Road

Street Address 2: Room 218

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2337

Fax: (902) 494-5191

Website: www.physics.dal.ca

Email Address: physics@dal.ca

Introduction

How does the world work? What are the rules that govern how things happen? These are the questions that intrigue physicists who try to explain the great diversity of nature with the fewest and simplest hypotheses. They discover that there are underlying similarities between things that look very different on the surface. Good physicists have the imagination to see these similarities, coupled with the understanding of the fundamentals of their science to determine the rules that govern the universe. Our programs are designed to allow you to learn physics in a systematic manner and understand how physics applies to the world around us.

Physicists are employed in many areas in universities, government departments and industry and are valued for their ability to discover and apply fundamental insights to a variety of situations.

This intellectual rigor can be applied in many fields beyond physics including meteorology, engineering, education, law, medicine, dentistry, health sciences, and business. Because practicing physicists often have knowledge of several fields, we have a number of combined programs with other science disciplines to provide that broader approach.

Our Honours program is our most comprehensive program aimed at those intending to become career physics specialists. Our various major and combined programs described below provide the opportunity to pursue a broad education in both physics and other areas.

First Year Courses

There are three first year courses. PHYC 1450.06 is a general interest course for BA students and is not acceptable as a prerequisite for further courses in physics. PHYC 1190.03/PHYC 1290.03, and PHYC 1300.06 both give a general introduction to physics, but each has its own particular approach and selection of topics.

PHYC 1190.03/PHYC 1290.03 is primarily for students intending to make a study of a physical science or engineering; it has regular labs, occasional tutorials, uses calculus, and is accepted as a prerequisite for advanced physics courses. Nova Scotia Grade XII Physics or its equivalent is a prerequisite. It is recommended that PHYC 1190/PHYC 1290 be taken consecutively, but PHYC 1190 is not a prerequisite for PHYC 1290.

PHYC 1300.06 is an introductory course which is oriented towards the health sciences and is primarily intended for students in biology, pre-medicine, pre-dentistry and allied health sciences. The course incorporates labs and tutorials, and is accepted as a prerequisite for advanced physics courses when MATH 1000.03 and MATH 1010.03 are taken concurrently. It is a good preparation for the Medical College Admission Test (MCAT). Nova Scotia Grade XII Physics or its equivalent is highly recommended.

Students who participate in the Integrated Science Program in their first year should consult the Undergraduate Calendar for first year course equivalencies. The following options fulfill the first year requirements for any Physics program:

- SCIE 1515.36
- SCIE 1520.30
- SCIE 1530.27
- SCIE 1505.18, Option A or B

Second Year Courses

There are four 2nd year core physics courses (PHYC 2140, PHYC 2150, PHYC 2510, PHYC 2515). These courses are also suitable for students in other disciplines who would like to enhance their knowledge of physics. In particular, PHYC 2150 provides an opportunity to gain more laboratory experience, which is extremely valuable in many jobs.

Third and Fourth Year Courses

Not all courses are offered each year. Students should take careful note of the year in which each of these courses is planned to be offered. This information can be found at the department website <http://www.physics.dal.ca>

Prizes are awarded to the top students in each year of the program. Please refer to Awards.

Degree Programs

The Department of Physics and Atmospheric Science offers the following degree programs in Physics

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Major combined with a Diploma in Meteorology*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit) Minor in Physics
- Minor in Physics
- One year Diploma in Meteorology

* BSc Co-op option available

* May be combined with Minor programs from other disciplines

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Student applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Physics undergraduate academic advisor.

Staff

Dean

Moore, C. L., BA, PhD (Cantab)

Chair of Department and George Munro Professor

Rotermund, H. H. (902 494-2342)

Undergraduate Advisor

Kreplak, L. (902 494-8435) UGPhysicsAdvisor@dal.ca

Graduate Coordinator

Hewitt, K. (902 494-2315) kevin.hewitt@dal.ca

Coordinator, Atmospheric Science

Drummond, J. R. (902 494-2324) james.drummond@dal.ca

Coordinator, Diploma in Meteorology

Folkins, I. (902 494-1292) ian.folkins@dal.ca

Co-op Academic Advisor

Labrie, D. (902 494-2322) daniel.labrie@dal.ca

Professors Emeriti

Jericho, M. H., BSc, MSc (Dalhousie), PhD (Cantab), FRSC

Kreuzer, H. J., MSc, DSc (Bonn), FRSC - A.C. Fales Professor of Theoretical Physics

Stroink, G., BSc, MSc (Delft), PhD (McGill), PEng

Professors Research

Geldart, D. J. W., BSc (Acadia), PhD (McMaster), FRSC - Research

Kreuzer, H. J., MSc, DSc (Bonn), FRSC - A.C. Fales Professor of Theoretical Physics

Professors

Chapman, S. C., BSc, MSc, PhD (UBC)

Dahn, J. R., BSc (Dalhousie), MSc, PhD (UBC), FRSC, NSERC/3M Canada Inc. Industrial Research Chair, Canada Research Chair in Materials for Batteries and Fuel Cells, cross appointment with Chemistry

Drummond, J. R., BA, MA, PhD (Oxford), FRSC - Canada Research Chair, Remote Sounding of Atmospheres

Dunlap, R. A., BS (Worcester), AM (Dart), PhD (Clark), Director, Institute for Research in Materials; cross appointment with College of Sustainability

Geldart, D. J. W., BSc (Acadia), PhD (McMaster), FRSC - Research

Hill, I. G., BSc, PhD (Queen's)

Martin, R. V., BS (Cornell), MS, PhD (Harvard), Killam Professor, cross appointment with Environmental Programs, Chemistry

Rotermund, H. H., PhD (Berlin), George Munro Professor of Physics

Rutenberg, A. D., BSc (Toronto), PhD (Princeton)

White, M. A., BSc (Western), PhD (McMaster), FRSC, University Research Professor, primary appointment with Chemistry

Zwanziger, J. W., BA (Chicago), PhD (Cornell), Canada Research Chair in NMR Studies of Materials, primary appointment with Chemistry

Associate Professors

Duck, T., BSc, PhD (York)

Folkins, I., BSc (Dalhousie), MSc, PhD (Toronto)

Hall, K. C., MSc, PhD (Toronto), Canada Research Chair, Ultrafast Science

Hewitt, K., BSc (Toronto), PhD (Simon Fraser), P. Phys.

Kelly, R., BSc, MSc (Memorial), PhD (Western)

Kreplak, L., MSc (Supelec), PhD (Univ. Paris XI), cross appointment with Biomedical Engineering

Kyriakidis, J., BSc, MSc (Dalhousie), PhD (Basel)

Labrie, D., BSc (Montreal), MSc, PhD (McMaster)

Maksym, G. N., PhD (McGill), primary appointment in the School of Biomedical Engineering

Monchesky, T., BAsC (Toronto), PhD (Simon Fraser)

Robar, J., MSc (McGill), PhD (UBC), primary appointment with Radiation Oncology

Thomas, C., BSc (SMU), MSc (Dalhousie), PhD (Western Ontario)

Wells, S. M., BSc (Western), PhD (Toronto) (NSERC University Faculty Award), primary appointment with Medicine

Xu, H., BSc (Zhejiang), MSc (Regina), PhD (McMaster)

Assistant Professors

Chang, R. Y. -W., BASc, MASc, PhD (Toronto) Canada Research Chair in Atmospheric Science

Lesins, G. B., PhD (Toronto)

Senior Instructor

Payne, S. H., BSc, PhD (Canterbury)

Instructors

de Vet, S. J., MSc (Dalhousie), PhD (Western)

Adjunct Professors

Azzouz, M., PhD (J. F., France), Physics and Astronomy, Laurentian University

Bennett, J. C., PhD (Waterloo), Physics, Acadia

Beyea, S., PhD (UNB), National Research Council of Canada

Bonev, S. A., MSc (Dalhousie), PhD (Cornell)

Bowen, C., PhD (Western), Institute for Biodiagnostics, NRC

Butler, M., PhD (Caltech), Carleton University
Grabtchak, S., PhD, Department of Physics (UPEI)
Greatbatch, R., BSc (Liverpool), PhD (Cambridge), NSERC/MARTEC/MSC Industrial Research Chair
Hornidge, D., PhD (U of Saskatchewan) Physics, Mount Allison
Kanungo, R., PhD (Calcutta U), Astronomy and Physics, SMU
Pierce, J., BS (Northeastern), PhD (Carnegie Mellon), Colorado State
Ritchie, H. C., MSc, PhD (McGill), Meteorological Service of Canada - Atlantic
Robertson, M., **PhD** (Waterloo), Physics, Acadia
Sarty, A., PhD (U of Saskatchewan) Astronomy and Physics, SMU
Schmidt, P., PhD (Michigan)
Titus, L., BSc (SMU), DMet, MSc (Dalhousie)

Postdoctoral Fellows/Research Associates

Croft, B., PhD (Dalhousie)
Du, Z., PhD (Beihang)
Geddes, J., (U of Toronto)
Hall, D., PhD (U of Ottawa)
Kim, C., PhD (KAIST)
Ma, X., PhD (Florida State)
Nie, M., PhD (U of Rhode Island)
Snider, G., PhD (McGill)
Stevens, D., PhD (Dalhousie)
Tikhomirov, A., DSci (Institute of Atmospheric Optics, St. Petersburg)
Tsehtik, Y., MSc (Mozhaisky Military Space Engineering University)
Topple, J., PhD (McGill)
van Donkelaar, A., PhD (Dalhousie)
Wang, Y., PhD (McMaster)
Xia, J., PhD (Sun Yat-sen)
Xia, Y., PhD (Sun Yat-sen)

BSc or BA (120 credit hour) Concentrated Honours in Physics

Students who want a challenging program resulting in a broad and in-depth background in Physics, including an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in the Physics courses listed below with a minimum GPA of 3.0, and write a research-based Honours thesis. The thesis requirement is satisfied through completion of PHYC 4800.03/PHYC 4850.03.

A Co-op option is available for students enrolled in a BSc Concentrated Honours in Physics.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Physics should consult with a Physics Undergraduate Advisor early in their second year.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Concentrated Honours program in Physics must complete the following courses:

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- CHEM 1011.03/CHEM 1012.03

Or Integrated Science Program (options above)

2000 level

- PHYC 2140.03/PHYC 2150.03
- PHYC 2515.03/PHYC 2510.03
- MATH 2001.03/PHYC 2002.03
- MATH 2030.03
- One of MATH 2120.03, MATH 2135.03, MATH 2300.03, MATH 2400.03

3000 and 4000 level

- PHYC 3000.03/PHYC 3010.03
- PHYC 3640.03/PHYC 3590.03
- PHYC 3200.03/PHYC 3210.03
- MATH 3120.03
- PHYC 4151.03
- PHYC 4160.03/PHYC 4100.03
- PHYC 4800.03/PHYC 4850.03 (Honours thesis)
- At least one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03
- An additional six credit hours of 3000 or 4000 level PHYC courses, other than PHYC 3160.03, PHYC 3170.03, PHYC 3330.03, PHYC 4540.03, PHYC 4550.03

* Up to 30 credit hours of general electives may be chosen from the Faculty of Engineering.

Honours Qualifying Exam

The Honours Qualifying Exam grade is the average of best ten grades obtained in 3000 and 4000 level Honours courses.

BSc or BA (120 credit hour) Combined Honours in Physics and another subject

Students who wish to study Physics in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Physics may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject. In recent years, students have combined Physics with

- Mathematics
- Biology
- Earth Sciences
- Chemistry
- Computer Science
- History of Science and Technology
- Contemporary studies

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. The same standards and conditions for admission apply as for entry into a Concentrated Honours program (see above). In addition, students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Physics, this requirement is satisfied through PHYC 4800.03/PHYC 4850.03.

A Co-op option is available for students enrolled in BSc Combined Honours with Physics as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Combined Honours program in Physics and another subject must complete the courses listed below. Elective Physics courses should be chosen in consultation with a Physics undergraduate advisor. If courses are not selected carefully, students in a Combined Honours program may not be qualified to enter a regular graduate program in Physics after graduation.

Physics as the primary or secondary subject

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- CHEM 1011.03/CHEM 1012.03

Or Integrated Science Program (options above)

2000 level

- PHYC 2140.03/PHYC 2150.03
- PHYC 2515.03/PHYC 2510.03
- MATH 2001.03/MATH 2002.03

3000 and 4000 levels

- A minimum of 18 credit hours in PHYC courses at or above the 3000 level, which must include one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03

If Physics is the primary subject

- An additional six credit hours at or above the 3000 level, which may be PHYC 4800.03/PHYC 4850.03 (Honours thesis)

BSc or BA (120 credit hour) Major in Physics

The 120 credit hour Major is suited to students who want to focus on *Physics*, but wish to have a program that is somewhat less constrained than the Honours program. Physics Majors complete a minimum of 42 credit hours in Physics courses past the 1000 level as listed below. Research and other experiential learning opportunities are available through laboratories, special topics and experiential classes.

A Co-op option is available for students enrolled in a 120 credit hour BSc Major program in Physics.

Departmental requirements

In addition to fulfilling the requirements outline in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Major program in Physics must complete the following courses:

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- CHEM 1011.03/CHEM 1012.03

Or Integrated Science Program (options above)

2000 level

- PHYC 2140.03/PHYC 2150.03
- PHYC 2515.03/PHYC 2510.03
- MATH 2001.03/MATH 2002.03
- Six additional physics credit hours at or above the 2000 level

3000 and 4000 level

- A minimum of 24 additional physics credit hours at or above the 3000 level, which must include at least one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.04

BSc (120 credit hour) Major in Physics combined with a Diploma in Meteorology

This is an integrated Physics/Meteorology program. In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students must complete the following courses:

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06
- MATH 1000.03/MATH 1010.03
- CHEM 1011.03/CHEM 1012.03

Or Integrated Science Program (options above)

2000 level

- PHYC 2140.03/PHYC 2150.03
- PHYC 2515.03/PHYC 2510.03
- MATH 2001.03/MATH 2002.03
- MATH 2030.03
- One of MATH 2040.03, MATH 2120.03, MATH 2135.03, MATH 2300.03, MATH 2400.03
- Three additional physics credit hours at or above the 2000 level

3000 level

- PHYC 3050.03 or PHYC 3250.03 or PHYC 3590.03 or PHYC 4311.03
- PHYC 3200.03

4000 level: Meteorology course requirements

- PHYC 4505.03/PHYC 4570.03
- PHYC 4540.03/PHYC 4550.03
- PHYC 4411.03/PHYC 4412.03
- PHYC 4520.03/PHYC 4595.03
- OCEA 4120.03
- OCEA 4220.03 or another three credit hour course approved by Program Coordinator

Students are encouraged to ensure that their program meets the requirements for the 90 credit hour BSc by the end of Year 3.

After completion of the Major in Physics and Diploma in Meteorology program, students are eligible to be considered for admission to a graduate program in Atmospheric Science at Dalhousie.

BSc or BA (120 credit hour) Double Major in Physics and another subject

The Double Major degree program allows students to combine a study of Physics with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Physics may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

A Co-op option is available for students enrolled in BSc Double Major with Physics as the primary subject.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a Double Major program in Physics and another subject must complete the following:

Physics as the primary or secondary subject

1000 level

- PHYC 1190.03/PHYC 1290.03 or PHYC 1300.06 or equivalent
- MATH 1000.03/MATH 1010.03
- CHEM 1011.03/CHEM 1012.03

Or Integrated Science Program (options above)

2000 level

- PHYC 2140.03/PHYC 2150.03
- PHYC 2515.03/PHYC 2510.03

3000 and 4000 levels

- A minimum of 18 credit hours in PHYC courses at or above the 3000 level, which must include one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03

BSc or BA (90 credit hour) Minor in Physics

The 90 credit hour degree with Minor in Physics is appropriate for students who want to study some Physics but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Physics. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc in Physics is usually the preferred option for students who wish to combine studies in Physics with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program below). Students with a 90 credit hour BSc in Physics may also want to consider the one year Diploma in Meteorology program.

See the Minor in Physics section of this Calendar.

Minor in Physics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Physics is available to students in the Faculty of Science.

Departmental Requirements

1000 level

- PHYC 1190.03: Introduction to Physics/PHYC 1290.03: Introduction to Physics OR PHYC 1300.06: Physics in and Around You
- MATH 1000.03: Differential and Integral Calculus I
- MATH 1010.03: Differential and Integral Calculus II
- CHEM 1011.03: Concepts in Chemistry: Structure and Reactivity
- CHEM 1012.03: Concepts in Chemistry: Energy and Equilibrium
- OR Integrated Science Program

2000 level

- PHYC 2140.03: Physics Tools: Theory
- PHYC 2150.03: Physics Tools: Experiment
- PHYC 2510.03: Electricity and Magnetism
- PHYC 2515.03: Modern Physics
- MATH 2001.03: Intermediate Calculus I
- MATH 2002.03: Intermediate Calculus II

3000 and 4000 levels

- A minimum of 12 credit hours in PHYC courses at or above the 3000 level, which must include one of PHYC 3050.03, PHYC 3250.03, PHYC 4250.03

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Co-operative Education Program in Physics

Co-op Academic Advisor: Dr. D. Labrie (daniel.labrie@dal.ca)

Co-operative Education in Science is a program where academic study in a science subject is combined with paid career-related work experience. Students undertake three work-terms interspersed with their academic study terms. Science Co-op degree programs enable students to apply their knowledge directly while providing them with work experience that assists in making educated career choices.

Co-op is available to students in BSc (120 credit hour) Honours or Major programs in Physics, or in Combined Honours or Double Major programs with Physics as the primary subject. The number of students admitted into Co-op each year is limited. A minimum GPA of 3.00 is required for admission and for continuation in the Co-op program. Students must be eligible to work in Canada.

Students normally apply to join Co-op during their first year of study. Students must apply before April 15, and it is strongly recommended that interested students meet with their Departmental Co-op advisor early in the Winter term of their first year. If accepted into Science Co-op, students must register for, and attend the Science Co-op Seminar Series (SCIE 2800.00) at least four month prior to the first work term.

Details are available from the Physics Co-op Academic Advisor and from the Co-operative Education office www.dal.ca/academics/cooperative_education.html. For more information on Co-op Education in Physics, please see the departmental webpage www.dal.ca/academics/programs/undergraduate/pas/what_will_i_learn/coop_work_term.html.

Minors available to students in Physics

Minor programs allow students to develop subject specialties in addition to their major or honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Physics may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Physics, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to student enrolled in a BSc or BA in Physics include:

- Certificate in Information Technology
- Certificate in Materials Science
- Certificate in Science Leadership and Communication

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Physics with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour degree in Physics and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng.

A BSc (Honours Physics)/BEng combination is also possible. Interested students should see an undergraduate advisor from Physics and from the Faculty of Engineering in their first year of study.

Geophysics

For students interested in Geophysics, two options are recommended:

- Combined Honours program in Physics and Earth Sciences,

OR

- Concentrated Honours in Physics
- Elective courses: EARTH 2270.03, EARTH 3270.03, EARTH 4470.03, EARTH 4480.03.

Diploma in Meteorology

Students with a general 90 credit hour BSc degree in Physics, Mathematics, Chemistry, or other quantitative disciplines, may apply for admission into a one year Diploma in Meteorology program, provided they have completed the appropriate Physics and Mathematics courses. A strong background in Physics and Mathematics is necessary, and courses taken should cover Vector Calculus and differential equations. More information on the Diploma in Meteorology program is available at http://atm.dal.ca/Diploma_in_meteorology/.

Course requirements

- PHYC 4505.03/PHYC 4570.03
- PHYC 4540.03/PHYC 4550.03
- PHYC 4411.03/PHYC 4412.03
- PHYC 4520.03/PHYC 4595.03
- OCEA 4120.03
- OCEA 4220.03 or another three credit hour course approved by Program Coordinator

After completion of the Diploma program, students are eligible to be considered for admission to a graduate program in Atmospheric Science at Dalhousie.

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

PHYC 0010 University Prep Physics

CREDIT HOURS: 3

This course can be used as a prerequisite for PHYC 1100X/Y.06 and PHYC 1300X/Y.06. The course will develop problem-solving techniques in preparation for topics to be covered in PHYC 1100X/Y.06 and PHYC 1300X/Y.06. This course is offered by the College of Continuing Education. Students may register and pay for this course at the College of Continuing Education located at 1220 LeMarchant Street, 2nd Floor or by calling (902) 494-2375. This course is offered in the Fall and Summer sessions only (see College of Continuing Education for more details <http://collegeofcontinuinged.dal.ca>).

PREREQUISITE: Grade 12 Pre-Calculus Math

PHYC 1190 Introduction to Physics

CREDIT HOURS: 3

This course concentrates on mechanics (forces and motion). Primarily for students interested in Physical Sciences and Engineering. Students entering this course must be familiar with algebra, graphs, and trigonometry, and should be taking calculus (MATH 1000.03/1010.03 or MATH 1280.03/1290.03) concurrently. Ideas are introduced through in-class demonstrations enabling students to relate physical theory to events in the real world. Students explore many concepts via hands-on labs.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: High School Physics equivalent to the Nova Scotia 12 level. Students not having a physics credit equivalent to Nova Scotia Grade 12 Physics are strongly advised to take PHYC 0010.00 available in the summer and in the fall term. See the College of Continuing Education at: <http://collegeofcontinuinged.dal.ca>.

EXCLUSIONS: Credit will be given for only one of 1190.03, 1280.03, or 1310.03

PHYC 1290 Introduction To Physics

CREDIT HOURS: 3

This course concentrates on oscillations and waves, optics, electricity and magnetism. Primarily for students interested in Physical Sciences and Engineering. This course is required for all Engineering programs. Students entering this course must be familiar with algebra, graphs, and trigonometry, and should be taking calculus (MATH 1000.03/1010.03 or MATH 1280.03/1290.03) concurrently. Ideas are introduced through in-class demonstrations enabling students to relate physical theory to events in the real world. Students explore many concepts via hands-on labs.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: High School Physics equivalent to the Nova Scotia 12 level. Students not having a physics credit equivalent to Nova Scotia Grade 12 Physics are strongly advised to take PHYC 0010.00 available in the summer and in the fall term. See the College of Continuing Education at: <http://collegeofcontinuinged.dal.ca>.

EXCLUSIONS: Credit will be given for only one of 1190.03/1290.03, 1280.03/1290.03, 1300X/Y.06, or 1310.03/1320.03

PHYC 1300X/Y Physics In and Around You

CREDIT HOURS: 6

An introduction to physics for students in Biology, Psychology, Arts and Environmental Sciences, and for students preparing for MCAT, and Medicine, Dentistry and Applied Health Sciences. It is accepted as a prerequisite to advanced courses in physics when combined with MATH 1000.03 and 1010.03. Basic concepts in physics are applied, where possible, to realistic biological models, e.g. forces and torques are related to muscles and joints, electricity to cellular activity, fluids to blood circulation, etc. NOTES: 1. This course is not acceptable in the Engineering program. 2. Students taking this course must register in both X and Y in consecutive terms; credit will be given only if both are completed consecutively. 3. Labs do not start until the second week of classes.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: High School Physics equivalent to the Nova Scotia 12 level. Students not having a physics credit equivalent to Nova Scotia Grade 12 Physics are strongly advised to take PHYC 0010.00 available in the summer and in the fall term. See the College of Continuing Education at: <http://collegeofcontinuinged.dal.ca>.

EXCLUSIONS: Credit will be given for only one of PHYC 1000X/Y.06, 1100X/Y.06, 1190.03/1290.03, 1280.03/1290.03, 1300X/Y.06, or 1310.03/1320.03

PHYC 1310 Physics in and Around You

CREDIT HOURS: 3

This half course along with PHYC 1320 are, as a pair, equivalent to PHYC 1300X/Y.06. They are available ONLY to accommodate special circumstances; permission from the Department is required for students **not** in Kinesiology. PHYC 1310.03 is strongly recommended for all first year Kinesiology students. PHYC 1320.03 is strongly recommended for Kinesiology students considering the Ergonomics stream. See the Health and Human Performance section of this calendar.

PREREQUISITE: High School Physics equivalent to Nova Scotia Grade 12 level is highly recommended. Students not having a physics credit equivalent to Nova Scotia Grade 12 Physics are strongly advised to take PHYC 0010.00 available in the summer and in the fall term. See the College of Continuing Education at: <http://collegeofcontinuinged.dal.ca>.

EXCLUSIONS: Credit will be given for only one of PHYC 1000X/Y.06, 1100X/Y.06, 1190.03/1290.03, 1280.03/1290.03, 1300X/Y.06, or 1310.03/1320.03

PHYC 1320 Physics in and Around You

CREDIT HOURS: 3

This half course along with PHYC 1310 are, as a pair, equivalent to PHYC 1300X/Y.06. They are available ONLY to accommodate special circumstances; permission from the Department is required for students **not** in Kinesiology. PHYC 1310.03 is strongly recommended for all first year Kinesiology students. PHYC 1320.03 is strongly recommended for Kinesiology students considering the Ergonomics stream. See the Health and Human Performance section of this calendar.

PREREQUISITE: PHYC 1310.03 or permission of the instructor.

EXCLUSIONS: Credit will be given for only one of PHYC 1000X/Y.06, 1100X/Y.06, 1190.03/1290.03, 1280.03/1290.03, 1300X/Y.06, or 1310.03/1320.03

PHYC 1450X/Y Astronomy: The Evolving Universe

CREDIT HOURS: 6

Both the universe and our understanding of it are evolving. Topics include naked "eye" astronomy, underlying laws of nature, the revolution in our understanding of the solar system (planets, moons, origin), and the recently discovered "other" planetary systems. We examine our advances in the study of stars, galaxies, and the universe at large. Finally, we introduce the weird and the wonderful - black holes, dark matter and dark energy.

NOTES: This course meets the science distribution requirements for BA students. The course does not count as a prerequisite for any other science course. Algebra and geometry are used only when helpful. Credit can only be given for this course if X and Y are completed in consecutive terms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: Not open to students taking or having taken PHYC 2450X/Y.06, or PHYC 2451.03 or PHYC 2452.03. BSc students should take PHYC 2451.03 and PHYC 2452.03 instead.

PHYC 1600 Understanding Weather

CREDIT HOURS: 3

The changing weather is a topic of almost universal interest. This course provides an introductory explanation for the basic processes that comprise the day to day weather changes in a non-mathematical way. Topics include weather maps and the wide range of atmospheric phenomena.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PHYC 2140 Physics Tools: Theory

CREDIT HOURS: 3

The character of physical laws is most lucidly expressed in mathematical terms. The objective of this course is the acquisition of mathematical tools and gainful proficiency in their use. Topics will include complex numbers, partial derivatives, vector calculus, linear transformations and differential equations. Theorems and proofs will be kept to a minimum. Instead, lectures, homework and tutorials will be largely driven by example problems from a wide variety of physics fields. Text book: Boas, Mathematical Methods in the Physical Sciences.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03/1290.03 or 1300X/Y.06 and a 1000 level calculus class or permission from the instructor.

PHYC 2150 Physics Tools: Experiment

CREDIT HOURS: 3

Introducing experimental tools and techniques within a theoretical framework, this course explores concepts in oscillations, waves, electricity and magnetism. The aim is to learn and apply techniques commonly used in Physics research. The following experimental tools and techniques are explored: Instrumentation; Fourier series; Data analysis; building AC and DC circuits; Detection and production of ultrasonic, acoustic, visible, microwaves; Mechanical systems. For example, the concept of resonance is applied to electronic (e.g. Radio), optical, acoustic (e.g. Music), mechanical and nuclear (e.g. MRI) systems in the lab. Textbook: An Introduction to Error Analysis, John R. Taylor.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 1

LAB HOURS PER WEEK: 5

PREREQUISITE: PHYC 1190.03/1290.03 or 1300X/Y.06 or SCIE 1500X/Y.30 and a 1000-level calculus course, or permission of instructor

PHYC 2250 Physics of Biological and Medical Technology

CREDIT HOURS: 3

This course focuses on the nature of different forms of radiation and their interactions with living organisms. Particular attention is given to imaging techniques for the examination of internal organs, and the resulting effects of radiation. Topics may include ultrasound, nuclear medicine, X-ray tomography, magnetic resonance imaging, and exposure to ultraviolet and nuclear radiation.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03/1290.03 or 1300X/Y.06: MATH 1000.03/1010.03 or SCIE 1500X/Y.30, 1501X/Y.30, 1501X/Y.27, 1502X/Y.21 1503X/Y.21, 1504X/Y.27, or 1510X/Y.33 or permission of the instructor.

PHYC 2310 Energy and the Environment

CREDIT HOURS: 3

The physical principles and limitations of renewable energy source utilization and energy conversion. A quantitative introduction to energy conversion and storage systems, including solar power and heating, wind, tidal, geothermal, hydroelectric, nuclear power, hydrogen technology, electrical and mechanical energy storage. The input of these energy options on the global climate and environment will be discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03/1290.03 or PHYC 1300X/Y.06, MATH 1010.03, CHEM 1011.03 or permission of the instructor.

EXCLUSIONS: Students who have previously taken PHYC 3330 can not take PHYC 2310.

PHYC 2451 Astronomy I : The Sky and Planets

CREDIT HOURS: 3

An introduction to astronomy for science students. If you have ever marvelled at the beauty of the night sky and yearned to learn a little about how Science can help us understand it, then this course (and its companion PHYC 2452.03) is for you. After learning the fundamentals, (observation of the sky, gravitation, radiation and telescopes), we will study the Solar System, primarily the planets and their major satellites.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: A first year science course

EXCLUSIONS: PHYC 2450.06 X/Y

PHYC 2452 Astronomy II: Stars and Beyond

CREDIT HOURS: 3

This course is the second part of an introduction to astronomy for science students. This course builds on the knowledge gained in the first half of PHYC 2451.03 to study the nearest star (the sun) and develops this to explain the behaviour of objects outside the Solar System like stars, pulsars, quasars and black holes. Finally,

galaxies and the Universe as a whole (cosmology) are studied with questions like, "will the universe expand forever - or will it collapse in the Big Crunch"? How do we know all of this and how well do we know it?

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2451.03 or permission of the instructor

EXCLUSIONS: PHYC 2450X/Y.06

PHYC 2510 Electricity and Magnetism

CREDIT HOURS: 3

The course will develop the vector calculus needed for the description of electric and magnetic fields. Other topics include scalar and vector potentials, forces on charges, magnetic induction and Maxwell's equations. The course will give students the necessary foundation for an understanding of more advanced topics in electricity and magnetism.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2140.03, a multi-variable calculus course (MATH 2001.03/2002.03, which can be taken concurrently), or permission of the instructor

PHYC 2515 Modern Physics

CREDIT HOURS: 3

This course introduces two physics revolutions: Einstein's theory of special relativity and the theory of quantum mechanics. Important early experiments are considered throughout the course. We consider length contraction, time dilation, and relativistic kinematics. Then, to account for wave-like properties of matter, we introduce complex wave functions in one-dimension and show how they lead to energy quantization, Schrodinger's equation, and penetration into classically forbidden regions. Other topics of modern physics, such as random walks (transport theory) may be introduced. A tutorial is offered.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03/1290.03 or PHYC 1300.06 or SCIE 1500.03, and a 1000 level calculus course

PHYC 2610 Introduction to Biomechanics

CREDIT HOURS: 3

This course provides an introduction to mechanical and analytical concepts applied to the study of biological systems, particularly human movements and tissues. It expands on the knowledge acquired in PHYC 1310, the mechanics as it applies to the human body. It deals with the muscle forces required for the different tasks, the role of the centre of mass in balance and motion and the stresses and strains endured by the different biological tissues. The primary goal of the course is to learn to apply basic mechanical concepts to human movements.

FORMAT: Lecture

PREREQUISITE: PHYC 1300.06 or PHYC 1310.03 or PHYC 1190.03 or permission of the instructor

EXCLUSIONS: KINE 2465.03

PHYC 2800 Climate Change

CREDIT HOURS: 3

The workings of the Earth's climate system are examined and then applied to help understand contemporary climate change. The role of numerical climate models is discussed with the aim of interpreting climate change predictions for the coming decades. Finally the impacts of climate change are studied with a focus on the various mitigation and adaptation strategies needed.

CROSS-LISTING: GEOG 2800.03, OCEA 2800.03

EXCLUSIONS: ECON2850.06, PHYC2850.06

PHYC 2850 The Science and Economics of Climate Change

CREDIT HOURS: 6

This course examines how climate change will impact the environment and human activities, and how to formulate and implement economically realistic solutions. It integrates the physical and biological science with economics in order to analyze the response options as we move towards a carbon-neutral society.

FORMAT: Lecture

PREREQUISITE: Any first year science or math course or permission of the instructor.

CROSS-LISTING: ECON 2850

EXCLUSIONS: PHYC 2800, ECON 2216

PHYC 3000 Experimental Physics I

CREDIT HOURS: 3

This course introduces students to electronics and measuring techniques. Topics include digital electronics: logic gates, clocks, shift registers, counters, memory; analog electronics; R.C.L. circuits, operational amplifiers; electronic systems: A/D and D/A chips, computer chips, and displays. The course also introduces students to modern data acquisition methods (including LabVIEW), skills which will be applied in the design and execution of experiments that illustrate fundamental concepts in physics.

This course is open to Honours students only.

NOTES: This course has no final examination. Student evaluation is through performance on assignments and projects, and evaluation of written lab reports.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 6

PREREQUISITE: PHYC 2150.03 and PHYC 2515.03, or permission of the instructor.

PHYC 3010 Experimental Physics II

CREDIT HOURS: 3

Designed to give the students a chance to do non-set experiments and thereby encounter and solve the problems of experimentation. Original approaches by the students are encouraged. As the number of experiments is small (three) students should achieve a real understanding of a few physical phenomena. Lecture topics include data analysis as encountered in the different areas of physics.

FORMAT: Lecture| Lab

LAB HOURS PER WEEK: 6

PREREQUISITE: PHYC 3000.03 with a minimum grade of B, or permission of the instructor

PHYC 3050 Introduction to Numerical Programming

CREDIT HOURS: 3

This course explores computer programming for numerical computation. It introduces a modern programming language and it uses it to model simple physical systems (for example, projectile motion with realistic drag). Techniques are introduced to solve the governing equations. An important aspect is the interpretation of modelled results and comparison with experiment.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 1190.03/1290.03 or equivalent, or MATH 1010.03 or equivalent

PHYC 3180 Contemporary Physics

CREDIT HOURS: 3

This course covers a variety of topics related to areas of current interest in physics. Presently, topics include high temperature superconductivity, quantum hall effect, neutrino oscillations, gravitational radiation and fusion reactors.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 2001.03 and at least one of PHYC 2515.03 or PHYC 2150.03 or permission of the instructor

PHYC 3200 Thermodynamics

CREDIT HOURS: 3

An introduction to the basic concepts and laws of thermodynamics. There will be a short survey of required Mathematics (partial derivatives). Topics include: thermometry, equations of state, energy and entropy, thermodynamic potentials, heat engines, thermodynamic efficiency and phase transitions.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2140.03, MATH 2001.03/2002.03, or permission of the instructor.

PHYC 3210 Statistical Mechanics

CREDIT HOURS: 3

Using statistical entropy, we will explore how macroscopic thermodynamic behavior emerges from microscopic models. We will consider the microcanonical, canonical, and the grand canonical statistical ensembles. We will examine two-state systems as well as non-interacting Fermionic and Bosonic systems. Finally, we will learn about deceptively simple interacting systems such as the Ising model.

PREREQUISITE: PHYC 3200.03 or equivalent; MATH 2001.03/2002.03

PHYC 3250 Computational Methods in Physics

CREDIT HOURS: 3

The objective of this course is to teach students the use of computers in physical analysis. The UNIX operating system will be introduced and used throughout the course. A modern programming language will be applied to a selection of problems drawn from physical theory and experiment. This is a hands-on, practical, and interactive class with an emphasis on the development of computational skills that scientists use.

PREREQUISITE: PHYC 1190.03/1290.03 or equivalent, MATH 1010.03 or equivalent, PHYC 3050.03 or equivalent

PHYC 3303 Materials Science

CREDIT HOURS: 3

The emphasis is on the principles involved in understanding physical properties of materials, such as thermal and mechanical stability, and electrical and optical properties. All phases of matter are examined: gases, liquids, films, liquid crystals, perfect crystals, defective solids, glasses. Important processes such as photography and Xerography are explained.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: CHEM 2301.03 or PHYC 3200.03 (which may be taken concurrently) or EARTH 2001.03/2002.03 or ENGI 2800.03 or permission of the instructor

CROSS-LISTING: CHEM 3305.03

PHYC 3340 Electronics

CREDIT HOURS: 3

Topics include digital electronics: logic gates, clocks, shift registers, counters, memory; analog electronics: R.C.L. circuits, operational amplifiers; electronic systems: A/D and D/A chips, computer chips, and displays.

NOTES: Credit cannot be given for both PHYC 3000.03 and PHYC 3340.03

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 3

PREREQUISITE: PHYC 2150.03; or ENGI 2001.03

PHYC 3640 Quantum Physics I

CREDIT HOURS: 3

This course introduces the formal structure of quantum mechanics as well as quantum mechanical calculations. The emphasis is on problem solving. The course starts with quantum measurement, then considers particles in a box and the quantum harmonic oscillator. The course starts with one-dimensional quantum mechanics and ends with higher dimensional problems. The course introduces quantum mechanical operators, time-evolution, quantum angular momentum, and the solution of the hydrogen atom.

PREREQUISITE: MATH 2002.03, MATH 2030.03, PHYC 2515.03 and PHYC 2140.03

PHYC 3810 Microcomputers and the Real World

CREDIT HOURS: 3

Subject material: measurement theory, modern sensors, microcomputer architecture, and software simulation of digital electronic circuits. Interfacing techniques including serial, parallel USB and GPIB ports. The graphical programming language is used throughout.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2150.03, PHYC 3340.03
CROSS-LISTING: CSCI 3122.03

PHYC 3900 Introduction to Soft Condensed Matter Physics

CREDIT HOURS: 3

The aim of this course is to provide an introduction to some concepts used in soft condensed matter physics through the study of three systems, polymers, colloids and liquid crystals. The course will be divided in four modules: I) Brownian dynamics and diffusion II) Polymers shape, molecular mass distribution, osmotic pressure, gel, entropic elasticity III) Colloids: van der Waals and electrostatic interactions, Hamaker constant, DLVO theory, polymer layers (brushes), gel electrophoresis IV) Liquid crystals: order parameter, optical properties of nematics (birefringence), phase transitions, LCD

FORMAT: Lecture

PREREQUISITE: MATH 2001.03, 2002.03: Intermediate Calculus I and II

PHYC 4098 The Physical Cosmology

CREDIT HOURS: 3

The course is intended to provide a sound physical foundation to modern cosmology and the formation and evolution of the Universe. The course introduces the principles of geometrical and astrophysical cosmology and emphasizes the direct confrontation of observational data with contemporary theories.

FORMAT: Lecture

PREREQUISITE: PHYC 2515, PHYC 2140, or permission of instructor

PHYC 4099 Stellar Structure and Evolution

CREDIT HOURS: 3

This course introduces concepts in stellar astronomy, building an understanding of stellar physics to probe the evolution of stars. Topics covered include stellar timescales, energy generation, and derivation of equations of stellar structure, evolution of stars from the pre-main sequence, through the main sequence hydrogen burning, and beyond.

FORMAT: Lecture

PREREQUISITE: PHYC 2515, PHYC 2140, or permission of instructor

PHYC 4100 Electrodynamics

CREDIT HOURS: 3

This course first introduces Maxwell's equations, then conservation laws, propagation of electromagnetic waves in various media, radiation, potential and fields.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2510.03

PHYC 4151 Quantum Physics II

CREDIT HOURS: 3

This course is a continuation of PHYC 3640.03. Topics include: the spin-1/2 problem, quantum dynamics, entanglement and the EPR Paradox, perturbation theory, identical particles, and the quantised radiation field.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 3640.03

CROSS-LISTING: PHYC 5151.03

PHYC 4160 Mathematical Methods of Physics

CREDIT HOURS: 3

Topics discussed include: complex variable theory, Fourier and Laplace transform techniques, special functions, partial differential equations.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3120.03, PHYC 2140.03 or permission of instructor.

CROSS-LISTING: PHYC 5160.03, MATH 5165.03

PHYC 4180 Nuclear and Particle Physics

CREDIT HOURS: 3

This is an introductory course in nuclear physics. Topics discussed include: nucleon-nucleon interactions, nuclear structure, gamma transitions, alpha decay, beta decay, nuclear reactions and elementary particle physics, with applications to the interior of stars and the earlier universe.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 3640.03

CROSS-LISTING: PHYC 5180.03

PHYC 4230 Introduction to Condensed Matter

CREDIT HOURS: 3

An introduction to the basic concepts of solid state physics which are related to the periodic nature of the crystalline lattice. Topics include crystal structure, X-ray diffraction, phonons and lattice vibrations, the free electron theory of metals, energy bands, magnetism and superconductivity.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 3640.03 and 3210.03 which may be taken concurrently, or permission of instructor

CROSS-LISTING: PHYC 5230.03

PHYC 4311 Fluid Dynamics I

CREDIT HOURS: 3

An introduction to the theory of fluid dynamics with some emphasis on geophysically important aspects. Contents: tensor mathematics, flow kinematics, equations of motion, viscous flow, potential flow, convection, turbulence, and basic aerodynamics.

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: Subject to instructor approval
CROSS-LISTING: PHYC 5311.02, OCEA 4311.03/5311.01

PHYC 4411 Atmospheric Dynamics I

CREDIT HOURS: 3

The basic laws of fluid dynamics are applied to studies of atmospheric motion, including the atmospheric boundary layer and synoptic scale weather disturbances (the familiar highs and lows on weather maps). Emphasis will be placed on the blend of mathematical theory and physical reasoning which leads to the best understanding of the dominant physical mechanisms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2140.03 or permission of the instructor

CROSS-LISTING: PHYC 5411.03, OCEA 4411.03/5411.03.

PHYC 4412 Atmospheric Dynamics II

CREDIT HOURS: 3

The approach is the same as for PHYC 4411.03, with emphasis on synoptic-scale wave phenomena, frontal motions and the global circulation. Additional topics including tropical meteorology, middle atmospheric dynamics, severe storms, mesoscale meteorology and numerical weather prediction may be included.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 4411.03 or permission of the instructor.

CROSS-LISTING: PHYC 5412.03, OCEA 4412.03/5412.03

PHYC 4460 Advanced Optics

CREDIT HOURS: 3

This class covers a selection of topics in advanced optics, that may include: a quantum treatment of light-matter interactions, strong field effects, quantum optics, nonlinear optics, optical resonators, laser physics, laser dynamics, and photonic devices.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 3540.03 and PHYC 3640.03

CROSS-LISTING: PHYC 5460.03

PHYC 4505 Atmospheric Physics

CREDIT HOURS: 3

Moist thermodynamics is applied to a variety of atmospheric phenomena. These include aerosols, cloud droplets, precipitation formation, convection, supercells, hurricanes, lightning, and the boundary layer. We also discuss the radar equation and the interpretation of radar images.

FORMAT: Lecture

PREREQUISITE: PHYC 2140 and PHYC 4520, or permission of the instructor

CROSS-LISTING: PHYC 5505, OCEA 4505/5505

PHYC 4520 Introduction to Atmospheric Science

CREDIT HOURS: 3

The general overview of the atmosphere provides the student with an understanding of the composition and thermal structure of the atmosphere, air mass and frontal theory and weather generating physical processes and their consequences. Other topics include atmospheric radiation, dynamic meteorology, climatology and the physics of clouds and storms.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2140.03 or permission of instructor

CROSS-LISTING: PHYC 5520.03, OCEA 4520.03/5520.03

PHYC 4540 Synoptic Meteorology I

CREDIT HOURS: 3

This course introduces the practical skills of meteorological observation and analysis. Emphasis is on developing skills in drawing and interpreting weather maps, and on studying the three-dimensional structure of weather systems. Satellite and radar remote sensing of the atmosphere is also introduced. Case studies of atmospheric systems and processes are carried out during the tutorial-laboratory period.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 3

COREQUISITE: PHYC 4411.03

PREREQUISITE: At least one third-year physics course

CROSS-LISTING: PHYC 5540.03, OCEA 4541.03/5541.03

PHYC 4550 Synoptic Meteorology II

CREDIT HOURS: 3

This course extends the analysis and diagnosis of atmospheric dynamics and weather processes introduced in PHYC 4540.03. Emphasis is on the practical application of meteorological theory, particularly in the area of diagnosing the cases of weather events. Modern computer and statistical methods are discussed, and students receive an introduction to weather forecasting.

FORMAT: Lecture| Lab| Tutorial

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PHYC 4540.03

CROSS-LISTING: PHYC 5550.03, OCEA 4550.03/5550.03

PHYC 4570 Light Scattering, Radiative Transfer, and Remote Sensing

CREDIT HOURS: 3

The equations of radiative transfer through the atmosphere will be developed and used. Special topics include transfer of infrared radiation. Mie scattering, absorption by atmospheric gases and aerosols, transfer through clear and cloudy atmospheres. Also remote sensing techniques and radiative transfer models are covered.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PHYC 2140.03, PHYC 2510.03

CROSS-LISTING: PHYC 5570.03, OCEA 5570.03

PHYC 4595 Atmospheric Chemistry

CREDIT HOURS: 3

A fundamental introduction to the physical and chemical processes determining the composition of the atmosphere and its implications for climate, ecosystems, and human welfare. Origin of the atmosphere. Nitrogen, oxygen, carbon, sulfur cycles. Climate and the greenhouse effect. Atmospheric transport and turbulence. Stratospheric ozone. Oxidizing power of the atmosphere. Regional air pollution: aerosols, smog, acid rain.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000, PHYC 1190.03/1290.03 or PHYC 1300 and CHEM 1011/1012

CROSS-LISTING: PHYC 5595.03, CHEM 4595.03, OCEA 4595.03/5595.03

PHYC 4650 General Relativity

CREDIT HOURS: 3

A review of differential geometry will be given followed by an introduction to the general theory of relativity. Various topics will be discussed, including: linearized theory and gravitational radiation, spherically symmetric metrics and the Schwarzschild solution, gravitational collapse, black holes, and cosmology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 3045.03 or permission of the instructor

CROSS-LISTING: PHYC 5650.03, MATH 4650.03/5650.03

PHYC 4660 Cosmology

CREDIT HOURS: 3

A self-contained introduction to cosmology will be given and no prior knowledge of differential geometry or general relativity will be assumed (although some knowledge of elementary differential equations will be useful). A cosmological model is a model of the universe, as a whole, on the largest scales; the emphasis of the course will be on the modeling aspects of cosmology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's permission

CROSS-LISTING: PHYC 5660.03, MATH 4410.03/5410.03

PHYC 4800X/Y Honours Research Project I

CREDIT HOURS: 3

Students in the honours stream in Physics and Atmospheric Science will do a research project under the direction of a faculty member. A research plan, interim progress reports and a formal final report are required. The final grade will be based on an evaluation of the reports and an oral presentation. Students in the major stream can apply to the department to take this course.

COORDINATOR: H. Rotermund

PREREQUISITE: PHYC 3010 and permission of the coordinator and supervisor.

PHYC 4850 Honours Research Project II

CREDIT HOURS: 3

Students in the honors stream will do a second research project or continue the project started in PHYC 4800 under the direction of a faculty member. A research plan, interim progress reports and a formal, final report are required. The final grade will be based on an evaluation of the reports and an oral presentation.

COORDINATOR: H. Rotermund

PREREQUISITE: PHYC 4800 and permission of the coordinator and supervisor.

PHYC 8891 Co-op Work-Term I

CREDIT HOURS: 0

PREREQUISITE: SCIE 2800.00

PHYC 8892 Co-op Work-Term II

CREDIT HOURS: 0

PHYC 8893 Co-op Work-Term III

CREDIT HOURS: 0

PHYC 8894 Co-op Work-Term IV

CREDIT HOURS: 0

Psychology and Neuroscience

Location:

Building/Room: Life Sciences Centre

Street Address 1: 1355 Oxford Street

Street Address 2:

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Halifax, NS B3H 4R2

Telephone: (902) 494-3417

Fax: (902) 494-6585

Website: www.dal.ca/psychandneuro

Email Address: psychology@dal.ca

For information concerning programs and courses in Psychology, please refer to the **Psychology** section of this calendar. For Neuroscience, please refer to the **Neuroscience** section.

Staff

Dean

Moore, C. L., BA, PhD (Cantab)

Chairperson of Department

Klein, R. M., BA (SUNY), MA, PhD (Oregon), University Research Professor

Academic Advisors

To contact an academic advisor, please go to the Psychology and Neuroscience Main Office (LSC 3263), telephone (902) 494-3417, or visit the [Psychology and Neuroscience website](#).

Professors Emeriti

LoLordo, V. M., AB (Brown), PhD (Penn)

Mitchell, D. E., BSc, MAppSc (Melb), PhD (Berkeley)

Professors

Adamo, S., BSc (Toronto), PhD (McGill), Faculty of Science Killam Professor in Psychology

Brown, R. E., BSc (Victoria), MA, PhD (Dalhousie)

Bryson, S. E., BA (Guelph), PhD (McGill), Major appointment in Pediatrics

Chambers, C. T., BSc (Dalhousie), MA, PhD (UBC), Joint appointment in Pediatrics

Corkum, P. V., BSc (Dalhousie), MA, PhD (OISE at Toronto)

Deacon, S. H., BSc (UPEI), PhD (Oxon)

Duffy, K., BA (St. Thomas), PhD (McMaster)

Eskes, G. A., BA, PhD (Berkeley), Joint appointment in Psychiatry

Finley, G. A., BSc, MD (Dalhousie), Major appointment in Anaesthesia

Kay-Raining Bird, E., BA (Queen's), MSc (Columbia Univ.), PhD (U. Wisconsin - Madison), Major appointment in the School of Human Communication Disorders

Kieft, M., BA (Memorial), MSc, PhD (Alberta), Major appointment in the School of Human Communication Disorders

Klein, R. M., BA (SUNY), MA, PhD (Oregon), University Research Professor

McMullen, P., BSc, MSc (Toronto), PhD (Waterloo)

Meinertzhagen, I. A., BSc (Aberdeen), PhD, DSc (St. Andrews), University Research Professor

Moore, C. L., BA, PhD (Cantab)

Perrot, T. S., BSc, PhD (Western)

Phillips, D. P., BSc, PhD (Monash)

Pohlmann-Eden, B., MD, PhD (Univ. of Heidelberg), Major appointment in Neurology

Rusak, B., BA (Toronto), PhD (Berkeley), FRSC, Joint appointment in Psychiatry

Semba, K., BEd, MA (Tokyo), PhD (Rutgers), Major appointment in Medical Neuroscience

Stewart, S., BSc (Dalhousie), PhD (McGill), Joint appointment in Psychiatry

Taylor-Helmick, T. L., BA (Calgary), MSc, PhD (Dalhousie)
Tibbo, P., BSc (Mt. A), BMedSc, MD (Memorial), Major appointment in Psychiatry
Ungar, M., BA, BSW, MSW (McGill), PhD (Wilfrid Laurier), Major appointment in the School of Social Work
Westwood, D. A., BSc, MA, PhD (Waterloo), Major appointment in the School of Health and Human Performance

Associate Professors

Abbass, A., BSc (Ottawa), MD (Dalhousie), FRCPC (Toronto), Major appointment in Psychiatry
Barrett, S. P., BA (St. FX), PhD (McGill), Clinical PhD Program Director of Training
Crowder, N. A., BSc, PhD (Alberta)
Fisk, J., BSc, MA, PhD (Western), Major appointment in Psychiatry
Good, K., BSc (UNB), MSc, PhD (UBC), Major appointment in Psychiatry
Jacques, S., BA (McGill), MA, PhD (Toronto)
Johnson, S., BA (Kalamazoo), MSc, PhD (Victoria)
Newman, A. J., BA (Winnipeg), MSc, PhD (Oregon)
Phillmore, L., BA (UWO), MA, PhD (Queen's), Undergraduate Program Coordinator
Robinson, L., BSc (Victoria), MA, PhD (Simon Fraser), Major appointment in the School of Health and Human Performance
Sherry, S. B., BA (York), MA (UBC), PhD (Saskatchewan)
Smith, I. M., BA (Dalhousie), MSc (Brown), PhD (Dalhousie), Major appointment in Pediatrics, Joan and Jack Craig Chair in Autism Research
Uher, R., MRCPsych (Royal College of Psychiatrists), PhD, MUDr. (Charles Univ.), Major appointment in Psychiatry

Assistant Professors

Aiken, S., BA, MSc (Western), PhD (Toronto), Major appointment in the School of Human Communication Disorders
Boe, S., BPhEd (Brock), PhD, MPT (Western), Major appointment in the School of Physiotherapy
Campbell-Yeo, M., BSc, MScN (Dalhousie), PhD (McGill), Major appointment in the School of Nursing
Chorney, J., BSc (Dalhousie), MA, PhD (West Virginia), Major appointment in Anesthesiology
Dithurbide, L., BA (Saint Mary's), MA (Brock), PhD (Michigan State), Major appointment in the School of Health and Human Performance
Franklin, T., BSc (King's), MSc (Dalhousie), PhD (Swiss Federal Institute of Technology)
Lovas, D., BSc, MD (Dalhousie), Major appointment in Psychiatry
Rosen, N. O., BA (Queen's), PhD (McGill)
Town, J., BSc (York), DCLinPsy (Univ. of Sheffield), Major appointment in Psychiatry
Weaver, I. C. G., BSc (Alberdeen), MSc (Bristol), PhD (McGill)

Senior Instructors

Gadbois, S., BSc, MAPs (Univ de Moncton), PhD (Dalhousie)
Juckes, T., BA, MA (Natal), PhD (Dalhousie)
Ply, E., BS Education (Univ of N Texas), MA, PhD (Texas Women's Univ)
Stamp, J., BSc (Dalhousie), PhD (Cambridge)

Adjunct Professors

Backman, J., BA (Dalhousie), MA, PhD (Carleton), Erica Baker Psychological Services
Bardouille, T., BSc (Queen's), MSc (Dalhousie), PhD (Toronto), BIOTIC MEG Laboratory/IWK Health Centre
Barresi, J., BSc (Brown), MA (S Calif), MS, PhD (Wisc), Psychology and Neuroscience/Dalhousie
Chipman, K., BA (UPEI), MA, PhD (Western), Neuropsychology Service/Nova Scotia Hospital
Church, E., BA (St. John's), MA, PhD (Toronto), School Psychology/Mount Saint Vincent
Conrad, N., BA (St. Mary's), PhD (McMaster), Psychology/St. Mary's
D'Arcy, R. C. N., BSc (Victoria), MSc, PhD (Dalhousie), Engineering and Computing Science/Simon Fraser
Ellsworth, C., BA (McMaster), MA, PhD (Queen's), Psychology/IWK Health Centre
Fisher, D., BSc (Ottawa), MSc, PhD (Carleton), Psychology/Mount Saint Vincent
Frankland, B. W., BSc (McMaster), MSc, PhD (Dalhousie)
Gilin Oore, D., BSc (Northern Michigan), MA, PhD (Missouri-St. Louis), Psychology/Saint Mary's
Hauf, P., PhD (Johann Wolfgang Goethe Univ., Frankfurt), Psychology/St. Francis Xavier
Ivanoff, J., BSc, MA (Guelph), PhD (Dalhousie), Psychology/Saint Mary's
Krigolson, O. E., BEd (Victoria), MSc (Indiana), PhD (Victoria), School of Exercise Science, Health and Physical Education/Univ of Victoria
LoLordo, V. M., AB (Brown), PhD (Penn), Psychology and Neuroscience/Dalhousie
MacDonald, G. W., BA (St. FX), MA, PhD (Windsor), Private Practice
Marchand, Y., MCS (Univ of Paris), PhD (Compiègne)
Mendez, I., BSc (Toronto), MD, PhD (Western), Surgery/Saskatchewan
Mitchell, D. E., BSc, MAppSc (Melb), PhD (Berkeley), Psychology and Neuroscience/Dalhousie
Omisade, A., BA (York), PhD (Dalhousie), Neuropsychology/QEII Health Sciences Centre
O'Neill, P., MSc, PhD (Yale), Professor Emeritus/Acadia

Porter, S. B., BSc (Acadia), MA, PhD (UBC), Psychology/UBC-Okanagah
Rodger, R. S., MA (Edin), PhD (Queen's, Belfast)
Saint-Aubin, J., BA (Sherbrooke), MPs, PhD (Laval), École de psychologie/ Université de Moncton
Schellinck, H., BSc, MSc, PhD (Dalhousie), Psychology and Neuroscience/Dalhousie
Shaw, S. R., BSc (London), PhD (St. Andrews), Psychology and Neuroscience/Dalhousie
Smith, S. M., BA (Bishop's), MA, PhD (Queen's), Psychology/Saint Mary's
Song, C., BSc (East China Normal Univ.), MD in Chinese Medicine (Hu Nan Medical Univ.), MSc (East China Normal Univ. and Chinese Acad. of Science), PhD (National Univ. of Ireland), Psychiatry/Guangxi Medical Univ.
Vallis, T. M., BSc (Dalhousie), MA, PhD (Western), Psychology/QEII Health Sciences Centre
Wassersug, R., BA (Tufts), PhD (Chicago), Urologic Sciences/UBC
Watt, M., BA (St. FX), PhD (Dalhousie), Psychology/St. Francis Xavier
Yoon, M. G., BS (Seoul), PhD (Berkeley)

Postdoctoral Fellows

Begun, E., PhD (Mie Univ Graduate School of Education)
Bergey, B., PhD (Temple)
Chisholm, J., PhD (UBC)
Hudson, A., PhD (Dalhousie)
Mimeau, C., PhD (Laval)
Tagarelli, K., PhD (Georgetown)
Thompson, K., PhD (Victoria)
Tremblay, A., PhD (Alberta)

Psychology

Location:
 Building/Room: Life Sciences Centre
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 Halifax, NS B3H 4R2
 Telephone: (902) 494-3417
 Fax: (902) 494-6585
 Website: www.dal.ca/psychandneuro
 Email Address: psychology@dal.ca

Introduction

Psychology is an experimental science: Its purpose is to discover the conditions which control the activities of animals and people, to measure these conditions and the responses they produce, and to use this knowledge to invent ways of predicting behaviour and changing it. It is a subject for inventive but also scientifically rigorous people, better suited to those who want to find out for themselves than to those who want to be told what to believe.

Psychology at Dalhousie treats behaviour as a natural phenomenon, and in that sense shares much with the other life sciences. Today, for example, the boundaries that have historically separated psychology from zoology, physiology, or even cellular biology have begun to blur. On the other hand, important ties are being made to such disciplines as anthropology, sociology, and philosophy. The student will find that the diverse subject matter includes three major levels of analysis: the organism, the organism's biological machinery, and the broader social-environmental context in which particular behaviour patterns are expressed. Meaningful integration of these diverse levels and forms of analysis is an intellectual challenge of major proportions. Similarly, the time perspectives of immediate causation, development, evolution, and function all contribute to the modern approach to behavioural science and each must be evaluated in relation to the others.

A. Enrolment Limitations

Psychology is a popular program, and we have a high enrolment of students. Potential Major and Honours students, and those intending to enrol in the 90 credit hour BA or BSc Minor program in Psychology should note that there are limitations on the number of students that can be accepted into these programs in any given year. Passing introductory psychology courses with the required grade of B- and declaring an intent to Major in Psychology does not guarantee a place in any of these programs. Students are advised to register as early as possible for required courses to secure a space within a program.

There are strict size restrictions on individual courses. Lecture courses are limited by room size. Enrolment in laboratory courses is further restricted because of equipment limitations and requirements for supervision. All Major and Honours students, and those enrolled in a 90 credit hour program, should take the 2000 level prerequisites for at least two 3000 level laboratory courses. Laboratory courses fill rapidly, and not all laboratory courses are offered every year.

B. Enrolment of Other Students

Only Major and Honours students in Psychology may enrol in PSYO 2000.03, PSYO 2470.03 or PSYO 2770.03, and PSYO 2501.03, and such students are given preference in other second-year courses. All students must have at least a B- in both terms of the introductory psychology courses, or a B- in the psychology component of the Integrated Science Program, to be permitted to register in any second-year course in Psychology.

C. Laboratories

Psychology laboratories are of two types. In research-type laboratories, students collect data and write reports on the results of their research. All Major and Honours students must take the second-year research laboratory course (PSYO 2000.03) and at least one third-year research laboratory course (six credit hours for Honours students). Other courses may have a proficiency or skills laboratory, which often involves computer exercises or other additional work related to the lecture material and course readings.

Degree Programs

The Department of Psychology and Neuroscience offers the following degree programs in Psychology:

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Psychology
- Minor in Psychology

* May be combined with Minor programs from other disciplines.

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Psychology undergraduate academic advisor.

A detailed description of the Psychology programs is available in a pamphlet titled "A Student's Guide to Psychology Classes". The pamphlet is available from the Psychology and Neuroscience Main Office (Life Sciences Centre, Room 3263) and online from the Department's website (www.dal.ca/psychandneuro).

BSc or BA (120 credit hour) Concentrated Honours in Psychology

Students who want a challenging program resulting in a broad background in Psychology, and that includes an independent research experience, may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Psychology with a minimum GPA of 3.0 and write a research-based Honours thesis. The Honours thesis and Qualifying Examination requirements are satisfied through completion of PSYO 4500.06.

Admission to Honours

Students must apply for admission to Honours programs. Students wishing to enrol in Honours in Psychology should consult with an Honours Advisor. Students may not apply for Honours before January of their third year of studies. A detailed description of the Honours application process can be found on the departmental website www.dal.ca/psychandneuro. Admission requirements include:

- A grade of B or better in PSYO 2000.03
 - A minimum of A- or better in the most recently completed:
 - 18 credit hours of PSYO courses (for admission January of 3rd year)
- OR

- 27 credit hours of PSYO courses (for admission at end of 3rd year)

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Concentrated Honours program in Psychology must complete the following:

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours)
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18).

2000 level

- PSYO 2000.03: Methods in Experimental Psychology (with grade of B or better)
- PSYO 2501.03: Statistical Methods I (or STAT 2080.03)
- PSYO 2470.03: Systems Neuroscience or PSYO 2770.03: Brain and Behaviour
- Three courses selected from:
 - PSYO 2080.03: Social Psychology
 - PSYO 2090.03: Developmental Psychology
 - PSYO 2130.03: Introduction to Cognitive Psychology
 - PSYO 2140.03: Learning
 - PSYO 2150.03: Perceptual Processes
 - PSYO 2160.03: Animal Behaviour
 - PSYO 2220.03: Abnormal Behaviour
 - PSYO 2570.03: Cellular Neuroscience

Care should be taken in selecting second-year courses to ensure they provide the necessary prerequisites for courses intended to be taken in third and fourth years of study.

3000 level

- PSYO 3502.03: Statistical Methods II
- A minimum of 15 credit hours selected from courses in Categories A and B, of which
 - At least 6 credit hours must come from each category and
 - A minimum of 6 credit hours must be designated LAB courses

Students are encouraged to also take PSYO 3000.06 or PSYO 3001.03 as preparation for their thesis work in fourth year.

4000 level

- PSYO 4500.06: Honours Thesis
- Six credit hours of 4000-level seminar courses
- Six additional credit hours of 3000- or 4000-level courses

Other regulations

- Students in the Honours program should find a thesis supervisor, and begin the preparation for their Honours research (reading, learning laboratory methodology, submitting ethics forms) no later than the summer preceding their thesis year.
- Students in a Psychology Honours program cannot use cross-listed Neuroscience courses as electives.
- Laboratory courses focusing on human psychology typically require students to serve as participants and/or as experimenters in course projects. Students who do not wish to participate in such projects should ensure that they have the prerequisites necessary to register in alternative laboratory courses.

BSc or BA (120 credit hour) Combined Honours in Psychology and another subject

Students who wish to study Psychology in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be from any discipline in the Faculty of Science (other than Neuroscience), the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Psychology may be the primary subject (with a minimum of 45 credit hours beyond the 1000 level), or the secondary subject (30 credit hours).

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas. Students complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Psychology, this requirement is satisfied through PSYO 4500.06.

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Combined Honours program in Psychology and another subject must complete the following:

Psychology as the primary subject

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours):
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18)

2000 level

- PSYO 2000.03: Methods in Experimental Psychology (with grade of B or better)
- PSYO 2501.03: Statistical Methods I (or STAT 2080.03)
- PSYO 2470.03: Systems Neuroscience or PSYO 2770.03: Brain and Behaviour
- An additional 9 credit hours at the 2000 level

3000 level

- PSYO 3502.03: Statistical Methods II
- Six credit hours in 3000 level LAB courses
- An additional six credit hours in 3000 level PSYO courses

The above selection must include a minimum of three credit hours from each of Categories A and B.

4000 level

- PSYO 4500.06: Honours Thesis
- Six credit hours of 4000-level seminar courses

Psychology as the secondary subject

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours):
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18)

2000 level

- PSYO 2000.03: Methods in Experimental Psychology (with grade of B or better)
- PSYO 2501.03: Statistical Methods I (or STAT 2080.03)
- PSYO 2470.03: Systems Neuroscience or PSYO 2770.03: Brain and Behaviour
- An additional 9 credit hours at the 2000 level

3000/4000 level

- A minimum of 12 credit hours at or above the 3000 level

The above selection must include a minimum of 3 credit hours from each of Categories A and B, and 3 credit hours of a laboratory (LAB) course.

BSc or BA (120 credit hour) Major in Psychology

The 120 credit hour Major is suited to students who want to focus on Psychology, but wish to have a program that is somewhat less constrained than the Honours program. Psychology Majors complete a minimum of 42 credit hours in Psychology courses above the 1000 level. Research and other experiential learning opportunities are available through laboratories and research project classes.

Students should plan carefully and, if required, obtain advice from an academic advisor. Advisors can be consulted by contacting the Psychology and Neuroscience Main Office (Life Sciences Centre, Room 3263 or 902 494-3417).

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections of this calendar. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Major program in Psychology must complete the following courses:

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours):
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18)

2000 level

- PSYO 2000.03: Methods in Experimental Psychology
- PSYO 2501.03: Statistical Methods I (or STAT 2080.03)
- PSYO 2470.03: Systems Neuroscience or PSYO 2770.03: Brain and Behaviour
- Three courses selected from:
 - PSYO 2080.03: Social Psychology
 - PSYO 2090.03: Developmental Psychology
 - PSYO 2130.03: Introduction to Cognitive Psychology
 - PSYO 2140.03: Learning
 - PSYO 2150.03: Perceptual Processes
 - PSYO 2160.03: Animal Behaviour
 - PSYO 2220.03: Abnormal Behaviour
 - PSYO 2570.03: Cellular Neuroscience

Care should be taken in selecting second-year courses to ensure they provide the necessary prerequisites for courses intended to be taken in third and fourth years of study.

3000 level

- A minimum of 24 credit hours at or above the 3000 level, which must include
- A minimum of six credit hours from each of Categories A and B. Courses in Category C are intended for students planning to enter the Honours program.

- A minimum of three credit hours of a laboratory (LAB) course

BSc or BA (120 credit hour) Double Major in Psychology and another subject

The Double Major degree program allows students to combine a study of Psychology with another subject. The other subject may be from any discipline in the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. A Double Major in Psychology requires 30 credit hours beyond the 1000 level. Psychology may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will be a BA.

Students enrolled in a Double Major program must have their program of study approved by advisors in both subject areas.

Departmental requirements

All students must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees. In addition, students in a Double Major program in Psychology and another subject must complete the following:

Psychology as the primary or secondary subject

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours):
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18)

2000 level

- PSYO 2000.03: Methods in Experimental Psychology
- PSYO 2501.03: Statistical Methods I (or STAT 2080.03)
- PSYO 2470.03: Systems Neuroscience or PSYO 2770.03: Brain and Behaviour
- Three additional second-year courses

3000 level

- A minimum of 12 credit hours at or above the 3000 level

The above selection must include a minimum of three credit hours from each of Categories A and B, and three credit hours of a laboratory (LAB) course. Courses in Category C are intended for students planning to enter the Honours program.

BSc or BA (90 credit hour) Minor in Psychology

The 90 credit hour degree with a Minor in Psychology is appropriate for students who want to study some Psychology but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general Science degree with some specialization in Psychology. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Psychology is usually the preferred option for students who wish to combine studies in Psychology with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program below).

See the Minor in Psychology section of this Calendar.

Minor in Psychology

This Minor is available to non-Neuroscience/Psychology students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a Minor in Psychology is also available.

Requirements

- A minimum of 18 to a maximum of 36 credit hours in Psychology courses at the 2000 level or higher, other than PSYO 2000.03 and PSYO 2501.03, which are restricted to students in a Major/Honours program

Please note that entry into upper level Psychology (PSYO) courses requires completion of six credit hours with a minimum grade of B- at the first year level (PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03), or Integrated Science Program (SCIE 1505.18 or SCIE 1515.36 or SCIE 1520.30 or SCIE 1540.27), or equivalent.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students Minors available to students in Psychology

Minor programs allow students to develop subject specialities in addition to their Major or Honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs (including Science Co-op).

Students in a BSc or BA (120 credit hour) program in Psychology may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Psychology, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to student enrolled in a BSc or BA in Psychology include:

- Certificate in Animal Behaviour (Biology, Psychology)
- Certificate in Science Leadership and Communication

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Psychology with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Psychology and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Psychology and from the Faculty of Engineering in their first year of study.

Required Psychology courses for a BSc/BEng or BA/BEng program in Psychology

1000 level

- Introduction to Psychology and Neuroscience I and II (six credit hours):
- PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 (with grade of B- or better)
- PSYO 1012.03 or PSYO 1022.03 (with grade of B- or better)
- Or a B- in the Psychology component of the Integrated Science Program (SCIE 1515.36, SCIE 1520.30, SCIE 1540.27 or SCIE 1505.18).
- A minimum of 18 credit hours in Psychology courses at the 2000 level or higher, other than PSYO 2000.03 and PSYO 2501.03, which are restricted to students in the Major and Honours programs

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Notes

In 2006/2007, the six credit hour Introduction to Psychology courses were divided into two three credit hour courses. PSYO 1000X/Y.06 became PSYO 1021.03 and PSYO 1022.03, and PSYO 1001X/Y.06 became PSYO 1011.03 and PSYO 1012.03. If a course now requires PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03 as prerequisites, this requirement may also be met by either PSYO 1000.06 or PSYO 1001.06.

Psychology Course Categories

All students enrolled in a Psychology Major or Honours program must take a selection of courses from each of Categories A and B, and must include one or more designated laboratory (LAB) courses in their programs. Category C courses are intended for Honours students. See Degree Programs (above) for minimum number of required credit hours in each.

Category A. Brain, Language, Learning, and Cognition

- PSYO 3043.03: Neurobiology of Learning
- PSYO 3044.03: Lab Methods of Learning and Conditioning (LAB)
- PSYO 3051.03: Sensory Neuroscience I. Vision (LAB)
- PSYO 3052.03: Sensory Neuroscience II. Hearing and Speech
- PSYO 3084.03: Social Cognition
- PSYO 3131.03: Research Methods in Attention (LAB)
- PSYO 3132.03: Research Methods in Visual Cognition (LAB)
- PSYO 3133.03: Research Methods in Memory (LAB)
- PSYO 3134.03: Research Methods in Psycholinguistics (LAB)
- PSYO 3137.03: Research Methods in Cognitive Neuroscience (LAB)
- PSYO 3161.03: Measuring Behaviour (LAB)
- PSYO 3162.03: Advanced Animal Behaviour
- PSYO 3165.03: Neuroethology (LAB)
- PSYO 3170.03: Hormones and Behaviour
- PSYO 3180.03: Psychoneuroimmunology/Ecological Immunology
- PSYO 3190.03: Psycholinguistics
- PSYO 3227.03: Principles of Human Neuropsychology
- PSYO 3237.03: Drugs and Behaviour
- PSYO 3260.03: Biological Rhythms
- PSYO 3264.03: The Science of Sleep
- PSYO 3270.03: Developmental Neuroscience
- PSYO 3370.03: Neuroscience Laboratory I (LAB)
- PSYO 3371.03: Neuroscience Laboratory II (LAB)
- PSYO 3670.03: Genes, Brain and Behaviour
- PSYO 3770.03: Behavioural Neuroscience
- PSYO 3775.03: Behavioural Neuroscience Laboratory (LAB)
- PSYO 3790.03: Neurolinguistics
- PSYO 3970.03: Molecular Neuroscience

Category B. Clinical, Developmental, History, Personality, and Overviews of Psychology

- PSYO 3010.06: Advanced General Psychology
- PSYO 3030.03: Psychometrics (LAB)
- PSYO 3082.03: Experimental Social Psychology (LAB)
- PSYO 3091.03: Methods in Developmental Psychology (LAB)
- PSYO 3092.03: Early Development
- PSYO 3093.03: Development of Language and Literacy Abilities
- PSYO 3122.03: Methods in Experimental Clinical Psychology (LAB)
- PSYO 3129.03: Childhood Psychopathology
- PSYO 3220.03: Clinical Psychology
- PSYO 3224.03: Forensic Psychology
- PSYO 3225.03: Health Psychology
- PSYO 3280.03: Personality
- PSYO 3390.03: Cognitive Development
- PSYO 3581.03: History of Psychology I
- PSYO 3582.03: History of Psychology II

Category C. Directed Research Courses for Potential Honours Students

- PSYO 3000.06: Independent Research in Modern Psychology
- PSYO 3001.03: Directed Project in Psychology
- PSYO 4500.06: Honours Thesis

4000-Level Seminars

These seminars are intended for fourth-year Honours students. Third-year Honours students are eligible provided they obtain permission from the instructor, and the needs of all the fourth-year Honours students have been met. The topics covered in these courses vary from year to year. Go to the departmental website (www.dal.ca/psychandneuro) for more detail about the topics to be covered in the current academic year.

Course Descriptions

PSYO 1011 Introduction to Psychology and Neuroscience I: From Neuron to Person

CREDIT HOURS: 3

Material covered includes historical background, research methodology, neural mechanisms that underlie behaviour, sensory and perceptual processes, states of consciousness, learning, and memory. The course is taught by several different instructors with expertise in the topics covered. Biweekly labs add depth to the material covered in lectures.

NOTES: To enrol in 2000-level Psychology courses, a grade of B- is required in PSYO 1011.02 or PSYO 1021.03 or 1031.03 and PSYO 1012.03 or PSYO 1022.03.

COORDINATOR: L. Stevens

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: PSYO 1000X/Y.06, PSYO 1001X/Y.06, PSYO 1010X/Y.06, PSYO 1021.03, PSYO 1031.03 SCIE 1500X/Y.30, SCIE 1501X/Y.27, SCIE 1503X/Y.21, SCIE 1504X/Y.27, SCIE 1510X/Y.33, SCIE 1515X/Y.36, SCIE 1520X/Y.30, SCIE 1540X/Y.27, SCIE 1505X/Y.18

PSYO 1012 Introduction to Psychology and Neuroscience II: From Social Interaction to Psychopathology

CREDIT HOURS: 3

This course extends the coverage offered in PSYO 1011.03 or 1021.03 or 1031.03 and includes material on development, cognition, intelligence, motivation, personality, social behaviour, and psychopathology. The course is taught by several different instructors with expertise in the topics covered. Biweekly labs add depth to the material covered in lectures.

NOTES: To enrol in 2000-level Psychology courses, a grade of B- is required in PSYO 1011.02 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03. COORDINATOR: L. Stevens

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: PSYO 1000X/Y.06, PSYO 1001X/Y.06, PSYO 1010X/Y.06, PSYO 1022.03, SCIE 1500X/Y.30, SCIE 1501X/Y.27, SCIE 1503X/Y.21, SCIE 1504X/Y.27, SCIE 1510X/Y.33, SCIE 1515X/Y.36, SCIE 1520X/Y.30, SCIE 1540X/Y.27, SCIE 1505X/Y.18

PSYO 1021 Introduction to Psychology and Neuroscience I: From Neuron to Person

CREDIT HOURS: 3

Material covered includes historical background, research methodology, neural mechanisms that underlie behaviour, sensory and perceptual processes, states of consciousness, learning, and memory. The course is taught by one or two different instructors with expertise in the topics covered. This course has no accompanying laboratory/tutorial.

NOTES: To enrol in 2000-level Psychology courses, a grade of B- is required in PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: PSYO 1000X/Y.06, PSYO 1001X/Y.06, PSYO 1010X/Y.06, PSYO 1011.03, PSYO 1031.03, SCIE 1500X/Y.30, SCIE 1501X/Y.27, SCIE 1503X/Y.21, SCIE 1504X/Y.27, SCIE 1510X/Y.33, SCIE 1515X/Y.36, SCIE 1520X/Y.30, SCIE 1540X/Y.27, SCIE 1505X/Y.18

PSYO 1022 Introduction to Psychology and Neuroscience II: From Social Interaction to Psychopathology

CREDIT HOURS: 3

This course extends the coverage offered in PSYO 1011.03 or 1021.03 or 1031.03 and includes material on development, cognition, intelligence, motivation, personality, social behaviour, and psychopathology. The course is taught by one or two different instructors with expertise in the topics covered. This course has no accompanying laboratory/tutorial.

NOTES: To enrol in 2000-level Psychology courses, a grade of B- is required in PSYO 1011.03 or PSYO 1021.03 OR PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

EXCLUSIONS: PSYO 1000X/Y.06, PSYO 1001X/Y.06, PSYO 1010X/Y.06, PSYO 1012.03, SCIE 1500X/Y.30, SCIE 1501X/Y.27, SCIE 1503X/Y.21, SCIE 1504X/Y.27, SCIE 1510X/Y.33, SCIE 1515X/Y.36, SCIE 1520X/Y.30, SCIE 1540X/Y.27, SCIE 1505X/Y.18

PSYO 1031 Introduction to Psychology and Neuroscience I: From Neuron to Person

CREDIT HOURS: 3

PSYO 1031 is the online distance education equivalent of PSYO 1011. Material covered includes historical background, research methodology, neural mechanisms that underlie behaviour, sensory and perceptual processes, states of consciousness, learning, and memory. Recorded lectures, lab activities and write-ups, quizzes, and class discussions will be delivered through BbLearn.

NOTES: To enrol in 2000-level Psychology courses, a grade of B- is required in PSYO 1011.03 or PSYO 1021.03 OR PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03.

EXCLUSIONS: PSYO 1000X/Y.06, PSYO 1001X/Y.06, PSYO 1010X/Y.06, PSYO 1011.03, PSYO 1021.03, SCIE 1500X/Y.30 SCIE 1501X/Y.27, SCIE 1503X/Y.21, SCIE 1504X/Y.27, SCIE 1510X/Y.33, SCIE 1515X/Y.36, SCIE 1520X/Y.03, SCIE 1540X/Y.27, SCIE 1505X/Y.18

PSYO 2000 Methods in Experimental Psychology

CREDIT HOURS: 3

The course provides a thorough grounding in scientific research methods used by psychologists. Lectures explore analytic procedures commonly employed to investigate human and animal behaviour. Students conduct and analyze in written reports a series of experiments in the laboratory to illustrate important concepts discussed in class.

NOTES: Restricted to students registered in Psychology Major or Honours programs. Students should endeavor to take PSYO 2501.03, Statistical Methods I, or STAT 2080.03 concurrently with PSYO 2000.03. Students must attend the first lecture session.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

LAB HOURS PER WEEK: 2

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better)

EXCLUSIONS: NESC 2007.03

PSYO 2080 Social Psychology

CREDIT HOURS: 3

The course undertakes a critical analysis of social theory and research promoting a close and skeptical evaluation of our knowledge, our obedience and rebellion, our affections and hostilities, our willingness to help and injure, our attempts to explain ourselves and others, our erotic orientations, and our gender roles.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better)

PSYO 2090 Developmental Psychology

CREDIT HOURS: 3

People change with age. This course examines the changes that occur in humans from conception through adolescence. Biological, social, cognitive, and linguistic aspects of development are considered. Theory, research, and practical implications are integrated throughout the course.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, 1520X/Y.30 or 1540X/Y.27 (with a grade of B- or better)

PSYO 2130 Introduction to Cognitive Psychology

CREDIT HOURS: 3

Lectures focus on the processes involved in transforming sensory information into the meaningful everyday world that we know. Initially, emphasis is on the visual system, and how information within that system is structured and organized, followed by a consideration of the character of internal representations used in thinking and remembering.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better)

CROSS-LISTING: NESC 2130.03

PSYO 2140 Learning

CREDIT HOURS: 3

Lectures focus on several goals: (1) providing general principles of learning; (2) understanding the behaviour of particular species; (3) direct application to human problems. Emphasis is on understanding why researchers in animal learning do what they are currently doing (given the goals and the historical context).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, 1520X/Y.30 or 1540X/Y.27 (with a grade of B- or better)

CROSS-LISTING: NESC 2140.03

PSYO 2150 Perceptual Processes

CREDIT HOURS: 3

Perception deals with the way in which our senses provide us with information about our environment. This course focuses on the process by which sensory experiences are coded, how they are interpreted by the nervous system, and how experience modifies perception.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505 X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better), or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03

CROSS-LISTING: NESC 2150.03

EXCLUSIONS: PSYO 3005.03/NESC 3005.03

PSYO 2160 Animal Behaviour

CREDIT HOURS: 3

Using concepts from behavioural biology and psychology, animal behaviourists attempt to explain why animals behave the way they do. The course examines topics such as mating and social systems, mate choice, the evolution of behaviour, and animal communication. The behaviour of a wide range of animals is studied.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better), or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03

CROSS-LISTING: NESC 2160.03

PSYO 2220 Abnormal Behaviour

CREDIT HOURS: 3

This course involves the study of a broad range of manifestations of abnormal behaviour in adults (e.g., anxiety disorders, substance abuse/dependence, schizophrenia, affective disorders, personality disorders). Causes of abnormal behaviour and the scientific techniques developed to better understand and intervene with various forms of behavioural dysfunction are appraised.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better)

PSYO 2470 Systems Neuroscience

CREDIT HOURS: 3

This course provides an introduction to the functional systems of the brain. We examine neural systems (e.g., the sensory systems, motor system, neurotransmitter-specific systems) individually. We explore their anatomy and function, neurobiological properties that make each unique, and factors that are common to all neural systems (e.g., development and plasticity).

NOTES: Restricted to students registered in Psychology or Neuroscience major or Honours programs.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, 1520X/Y.30 or 1540X/Y.27 or (BIOL 1010.03 or BIOL 1020.03) and (BIOL 1011.03 or BIOL 1021.03) (with a grade of B- or better)

CROSS-LISTING: NESC 2470.03

EXCLUSIONS: PSYO 2770.03

PSYO 2500 Contemporary Research Problems in Psychology

CREDIT HOURS: 3

A continuation PSYO 2000.03, this course introduces prospective Honours students to the design, execution, and analysis of independent research projects. Each student works with a supervisor on a one-to-one basis preparing a research project that the student then conducts and describes in a formal written report.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

LAB HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03, with grade of B or better, and permission of the instructor

PSYO 2501 Statistical Methods I

CREDIT HOURS: 3

This course provides an introduction to research design and statistics within Neuroscience and Psychology. Particular emphasis is placed on conducting and interpreting various statistical procedures, including descriptive and inferential statistics (z-test, t-test, ANOVA, chi-square tests), frequently used in these fields.

NOTES: Only students undertaking a Major or Honours degree in Psychology or Neuroscience are eligible for enrolment. This course does not fulfil any part of the Faculty of Science Mathematics requirement.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03 (may be taken concurrently), or instructor's consent

EXCLUSIONS: PSYO 3501.03, STAT 2080.03

PSYO 2570 Cellular Neuroscience

CREDIT HOURS: 3

This course explores the brain at the neuronal level. Material covered includes: the ionic basis of resting potentials; the electrical activity of neurons; synaptic transmission and plasticity; synthesis and action of synaptic transmitters; and drug actions. Cellular phenomena relevant to healthy and neurologically-dysfunctional systems are also discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 or BIOL 1010.03 or BIOL 1020.03: and BIOL 1011.03 or BIOL 1021.03 (with a grade of B- or better)
CROSS-LISTING: NESC 2570.03, PHYL 2570.03

PSYO 2770 Brain and Behaviour

CREDIT HOURS: 3

This course examines the brain's role in controlling experience and behaviour in both animals and humans. It focuses on the functional anatomy of brain systems: in particular on neural pathways involved in motivation, mood, memory, and sensation/perception. Recent research findings and methodologies for studying brain systems are emphasized.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18 SCIE 1515X/Y.36, SCIE 1520X/Y.30 or SCIE 1540X/Y.27 (with a grade of B- or better)

EXCLUSIONS: PSYO/NESC 2470.03, PSYO/NESC 2270.03

PSYO 3000X/Y Independent Research in Modern Psychology

CREDIT HOURS: 6

Primarily for Honours students wishing research experience. Requirements include a minimum grade of B in PSYO 2000.03, a high level of performance in other Psychology courses, an overall B+ (GPA 3.30) average, and securing a faculty advisor to supervise the research project. SIGNATURE REQUIRED COORDINATOR: J. Christie

NOTES: Note: This course cannot be used to fulfill the department's research laboratory requirement. Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, previous or concurrent enrolment in two other PSYO/NESC 3000-level courses, and Coordinator's consent.

CROSS-LISTING: NESC 3000X/Y.06

EXCLUSIONS: PSYO 3001.03/NESC 3001.03

PSYO 3001 Directed Project in Psychology

CREDIT HOURS: 3

Primarily for Honours students wishing research experience. Requirements include a minimum grade of B in PSYO 2000.03, a high level of performance in other Psychology courses, an overall B+ (GPA 3.30) average, and securing a faculty advisor to supervise the research project. Note: This course cannot be used to fulfill the department's research laboratory requirement. SIGNATURE REQUIRED COORDINATOR: J. Christie

NOTES: This course provides only a half-year research experience. Students wanting a full-year research experience in a lab should register for PSYO 3000X/Y.06.

FORMAT: Lab

LAB HOURS PER WEEK: 4

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, previous or concurrent enrolment in two other PSYO/NESC 3000-level courses, and Coordinator's consent.

CROSS-LISTING: NESC 3001.03

EXCLUSIONS: PSYO/NESC 3000X/Y.06

PSYO 3010X/Y Advanced General Psychology

CREDIT HOURS: 6

An active learning course for suitably-qualified senior students. Students complete a series of oral and written assignments designed to consolidate critical thinking and communication skills in Psychology/Neuroscience. After instructional training, assignments include preparing and delivering lab material to a small group (approximately 30) of PSYO 1011.03 and 1012.03 students. SIGNATURE REQUIRED

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab| Seminar

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, advanced courses in Psychology or Neuroscience, and instructor's consent.

CROSS-LISTING: NESC 3010X/Y.06

PSYO 3030 Psychometrics

CREDIT HOURS: 3

This course focuses on the theory and method of psychological measurement. Basic and advanced analytic methods employed in quantifying human abilities, traits, and syndromes are examined. Students contribute to the design of, and report on, a new measure of behaviour in the laboratory component of the course.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2501.03 or STAT 2080.03

PSYO 3043 Neurobiology of Learning

CREDIT HOURS: 3

This course examines the neurobiological processes underlying various forms of learning such as classical and operant conditioning, song learning by birds, spatial learning, and fear conditioning. Different methods used to study the neurobiology of learning, and the evolutionary origins of these systems are also considered.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of PSYO/NESC 2140.03 or PSYO/NESC 2470.03 or PSYO 2770.03

CROSS-LISTING: NESC 3043.03

EXCLUSIONS: PSYO 3041.03

PSYO 3044 Laboratory Methods of Learning and Conditioning

CREDIT HOURS: 3

A hands-on course on techniques used to test learning and memory in animals, including operant conditioning and spatial memory, and an exposure to the

neurobiological systems involved. Students work in pairs to conduct a series of experiments, analyze data as a class, but write individual laboratory reports on each experiment.

NOTES: Students should be aware that some data collection occurs outside of class time.

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and one of PSYO 2140.03/NESC 2140.03 or PSYO 2470.03/NESC 2470.03 or PSYO 2770.03

CROSS-LISTING: NESC 3044.03

EXCLUSIONS: PSYO 3042.03

PSYO 3051 Sensory Neuroscience I Vision

CREDIT HOURS: 3

This course examines the neural basis for the perception of light, colour, movement, depth, and form. The course covers developmental events important for vision, and the extent to which vision is constrained by anatomical and physiological development.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2470.03/NESC 2470.03 or PSYO 2770.03, and PSYO 2150.03/NESC 2150.03

CROSS-LISTING: NESC 3051.03

PSYO 3052 Sensory Neuroscience II Hearing and Speech

CREDIT HOURS: 3

This course explores hearing at levels that include stimulus parameters and their psychophysical correlates, middle ear function, cochlear biophysics, central auditory neurophysiology, and principles of speech perception. We emphasize mechanisms of normal hearing and speech, but address pathology wherever it helps us understand the relation between neurophysiology and perception.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO/NESC 2470.03

CROSS-LISTING: NESC 3052.03

PSYO 3082 Experimental Social Psychology

CREDIT HOURS: 3

This course attempts to develop students' skill level in empirical analysis of social psychology phenomena. Students complete two research projects during the term.

The projects involve testing subjects, coding data, computer data analysis, and report writing. Familiarity with computer-based statistical analysis and text processing is strongly recommended.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO 2080.03

PSYO 3084 Social Cognition

CREDIT HOURS: 3

This course focuses on the understanding people develop of themselves and others as social beings. The contributions of evolution, historical, and cultural factors are considered. The ways in which human development of social perception and cognition differs from that of other species are also examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of PSYO 2080.03 or PSYO 2090.03 or PSYO 2220.03

PSYO 3091 Methods in Developmental Psychology

CREDIT HOURS: 3

This course provides a survey of research methods in developmental psychology. It assumes knowledge of basic methodology and design, and concentrates on methods of relevance to the study of human development. In addition to lectures, students conduct a number of research exercises to gain experience in conducting research with children.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO 2090.03

PSYO 3092 Early Development

CREDIT HOURS: 3

This course examines development in infancy and the preschool period. The main theme of the course is to examine the integration of perceptual, cognitive, emotional, social, and linguistic changes occurring during the first five years of life.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2090.03

PSYO 3093 Development of Language and Literacy Abilities

CREDIT HOURS: 3

This course examines the cognitive and linguistic processes underlying language acquisition and how they interact in influencing the development of language and literacy abilities.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2090.03

PSYO 3122 Methods in Experimental Clinical Psychology

CREDIT HOURS: 3

Students learn how to conduct research on topics in applied clinical psychology. Students conduct a series of research projects in the laboratory by serving both as

subjects and experimenters, and analyze the results of these studies in written lab reports. Research studies serve to illustrate concepts discussed in class.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO 2220.03

PSYO 3129 Childhood Psychopathology

CREDIT HOURS: 3

This course examines a wide range of mental health disorders in children (e.g., reading disability, autism, ADHD). The goal is to gain a better understanding of the nature of these disorders, to learn about evidence-based assessment and treatment, and to review research findings in relation to children's mental health.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03; PSYO 2220.03 is recommended

PSYO 3131 Research Methods in Attention

CREDIT HOURS: 3

The methods, findings, and theories that underpin our understanding of attention (alertness, preparation, selection, and control of information processing) are covered. Behavioural and neuroscientific evidence as well as computational models are examined in the lectures. Laboratories emphasize behavioural methods used to isolate and reveal the components of attention.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO/NESC 2130.03 or PSYO/NESC 2150.03

CROSS-LISTING: NESC 3131.03

EXCLUSIONS: PSYO/NESC 3130.06

PSYO 3132 Research Methods in Visual Cognition

CREDIT HOURS: 3

Visual cognition is the study of how we extract meaning from our visual environment and use it to direct our behaviour. Emphasis is placed on object, face, and word recognition as revealed by normal behaviour, and by neuroimaging techniques and neuropsychological studies of brain-damaged individuals who have lost these recognition abilities.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO/NESC 2130.03 or PSYO/NESC 2150.03

CROSS-LISTING: NESC 3132.03

EXCLUSIONS: PSYO/NESC 3130.06

PSYO 3133 Research Methods in Memory

CREDIT HOURS: 3

This course examines human memory from the perspective of cognitive psychology and, to a lesser extent, cognitive neuroscience. Lectures emphasize cognitive approaches to the study of memory with an explicit focus on empirical research methods, data, and interpretation of results.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO/NESC 2130.03

CROSS-LISTING: NESC 3133.03

EXCLUSIONS: PSYO/NESC 3130.06

PSYO 3134 Research Methods in Psycholinguistics

CREDIT HOURS: 3

Provides hands-on experience with various methodologies employed in the study of language processing, and uses these to explore topics in psycholinguistics in greater depth. Methods covered may include reaction time, priming, self-paced reading, computational modeling, corpus-based research, and event-related brain potentials. Students serve as experimenters and participants in class experiments.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO/NESC 3190.03

CROSS-LISTING: NESC 3134.03

EXCLUSIONS: PSYO/NESC 3130.06

PSYO 3137 Research Methods in Cognitive Neuroscience

CREDIT HOURS: 3

An overview of neuroimaging and other techniques of cognitive neuroscience (including fMRI, ERP, and others) focusing on how they work, how they are applied, and their inherent limitations. Labs include experience collecting and analyzing ERP data, demonstrations of fMRI scanning, and analysis of fMRI data.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, and PSYO/NESC 2130.03

CROSS-LISTING: NESC 3137.03

PSYO 3161 Measuring Behaviour

CREDIT HOURS: 3

Measuring behaviour is essential in the study of ethology, behavioural neuroscience, developmental, social and clinical psychology. The function of this laboratory course is to teach methods of observing and scoring behaviour using qualitative and quantitative methods. Sampling methods, behaviour description and analysis will be done in laboratory and naturalistic settings.

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or NESC 2007.03

CROSS-LISTING: NESC 3161.03

PSYO 3162 Advanced Animal Behaviour: Theories and Applications

CREDIT HOURS: 3

This course focuses on advanced theories and applications of animal behaviour, with a focus on proximate, integrative and applied questions. It offers a more in-depth analysis of topics covered in PSYO/NESC 2160.03 and explores trends and issues in contemporary ethology, animal psychology and behavioural ecology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03 or BIOL 3062.03 or BIOL 3630.03, and PSYO/NESC 2160.03

CROSS-LISTING: NESC 3162.03

PSYO 3165 Neuroethology

CREDIT HOURS: 3

Neuroethology explores how assemblies of neurons work together to produce behaviour. Neural control of selected behaviours from a wide range of animals, both invertebrate and vertebrate, are examined. From this comparative perspective an attempt is made to tease out common themes in the physiological control of behaviour. NOTES: All experiments in the accompanying lab involve insects. Students are required to handle insects during the lab.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 2

PREREQUISITE: PSYO/NESC 2160.03 or BIOL 3062.03; and PSYO/NESC 2570.03 or BIOL 3078.03 and 3079.03, or MARI 3074.03 and 3076.03; and PSYO 2000.03 or NESC 2007.03 or one of following Biology classes: 2003.03, 2004.03, 2020.03 2030.03 2060.03

CROSS-LISTING: NESC 3165.03

PSYO 3170 Hormones and Behaviour

CREDIT HOURS: 3

How chemical signals of the neural, endocrine, and immune systems interact to influence the brain and behaviour. How neurotransmitters, cytokines, and hormones control neural and behavioural development, sexual, aggressive, and maternal behaviour. Hormone receptors in the brain, reproduction, puberty, brain sex differences, and stress are also examined.

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either PSYO 2770.03 or PSYO/NESC 2470.03, or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03

CROSS-LISTING: NESC 3170.03

EXCLUSIONS: PSYO/NESC 2170.03

PSYO 3180 Psychoneuroimmunology/Ecological Immunology

CREDIT HOURS: 3

Our behaviour can influence how well we resist disease, and infection can alter behaviour. This course examines how immune systems and nervous systems interact in both vertebrates and invertebrates. Evolutionary forces that have led to the existence of these interactions are also examined.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either PSYO 2770.03 or PSYO/NESC 2470.03 or MICI 2100.03; OR BIOL 2020.03

CROSS-LISTING: NESC 3180.03

PSYO 3190 Psycholinguistics

CREDIT HOURS: 3

Explores the cognitive and neural bases of human language processing. Topics include: human language and other communication systems; phonology; morphology; semantics; syntax; discourse; first and second language acquisition; relationship of language to general cognitive functions such as music and mathematics; signed languages such as American Sign Language; and non-linguistic gesture.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO/NESC 2130.03

CROSS-LISTING: NESC 3190.03

EXCLUSIONS: PSYO/NESC 2190.03

PSYO 3220 Clinical Psychology

CREDIT HOURS: 3

A survey of professional issues relevant to the practice of clinical psychology in hospitals, private practice, schools, the court system, and the community. Students gain knowledge about psychological services, and an understanding of the training, ethics, and expertise that clinical psychology brings to the delivery of mental health and healthcare.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2220.03

EXCLUSIONS: PSYO 2120.03

PSYO 3224 Forensic Psychology

CREDIT HOURS: 3

This course provides an introduction to the application of psychology to the various areas of the criminal justice system (i.e., courts, corrections, policing). In addition, consideration is given to professional and ethical issues that arise when psychological knowledge is applied in forensic contexts.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 1011.03 or PSYO 1021.03 or PSYO 1031.03 and PSYO 1012.03 or PSYO 1022.03, or SCIE 1505X/Y.18, SCIE 1515X/Y.36, 1520X/Y.30 or 1540X/Y.27 (with a grade of B- or better), AND any 2000-level Psychology class.

PSYO 3225 Health Psychology

CREDIT HOURS: 3

A study of psychological influences on how people stay healthy and how they respond when they become ill. Using a biopsychosocial model, this course examines topics such as health behaviours and prevention, stress and coping, the patient in treatment settings, and management of chronic and terminal illness.

FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2220.03

PSYO 3227 Principles of Human Neuropsychology

CREDIT HOURS: 3
Clinical neuropsychologists study the organization of cognitive, emotional, and social functions in the brain to understand how brain damage alters human behaviour across the lifespan. We examine how clinicians diagnose and rehabilitate persons with brain diseases and disorders. Assignments emphasize application of textbook/lecture-based knowledge, critical thinking, and group presentation skills.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO/NESC 2470.03 or PSYO 2770.03; PSYO/NESC 2130.03 is helpful
CROSS-LISTING: NESC 3227.03

PSYO 3237 Drugs and Behaviour

CREDIT HOURS: 3
An introduction to behavioural psychopharmacology. The lectures involve basic anatomy, physiology, and chemistry of the nervous system. Behavioural effects and underlying mechanisms of various psychoactive drugs are discussed. Specific topics covered are alcohol, tobacco, amphetamines, cocaine, opiates, hallucinogens, tranquilizers, and antipsychotic drugs.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of PSYO/NESC 2170.03, 2470.03, 2570.03, or PSYO 2770.03
CROSS-LISTING: NESC 3237.03

PSYO 3260 Biological Rhythms

CREDIT HOURS: 3
Daily (circadian) clocks generate rhythms in many functions, including sleep, reproduction, and intellectual performance. This course examines the nature of these biological clocks, their neural mechanisms, and their roles in regulating sleep and other aspects of physiology and in pathological conditions, including sleep disorders, jet lag, and psychiatric disorders.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, or BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, **and** one of PSYO/NESC 2170.03 or PSYO/NESC 2470.03 or PSYO 2770.03
CROSS-LISTING: NESC 3260.03

PSYO 3264 The Science of Sleep

CREDIT HOURS: 3
This course reviews the history, methods and results of the scientific study of sleep. Topics include: circadian and homeostatic regulation; developmental and cultural impacts; normal and abnormal function of neural and other control mechanisms; effects of sleep loss on performance and health; theories of the functions of sleep.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and either PSYO 2770.03 or PSYO/NESC 2470.03; OR BIOL 2020.03
CROSS-LISTING: NESC 3264.03

PSYO 3270 Developmental Neuroscience

CREDIT HOURS: 3
This course presents the fundamentals of development in complex and simple nervous systems. Cell differentiation, pattern regulation, proliferation, migration, and circuit development are discussed. Special attention is given to later developmental events such as neuronal growth cones, cell death, growth factors, neuron-target interactions, and synapse formation.
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO/NESC 2470.03 and PSYO/NESC 2570.03
CROSS-LISTING: NESC 3270.03

PSYO 3280 Personality

CREDIT HOURS: 3
Personality deals with questions such as: Is a science of persons possible? Are there types of personalities, or is each individual's personality unique? Is an individual's life history an expression of his or her personality, or is personality description merely a summary statement of behaviour whose cause lies elsewhere?
FORMAT: Lecture
LECTURE HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and one of PSYO 2080.03 or PSYO 2090.03 or PSYO 2220.03

PSYO 3370 Neuroscience Laboratory I

CREDIT HOURS: 3
Introduction to several neurophysiological techniques used in contemporary neuroscience, employing extracellular and intracellular electrical recording and stimulation methods on nervous system preparations, both sensory and motor. After introductory instruction, students in groups of 2 or 3 get to perform quite sophisticated practical experiments themselves, enabled by computer-based data acquisition.
FORMAT: Lab
LAB HOURS PER WEEK: 3
PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO/NESC 2470.03 and 2570.03, or PSYO/NESC 3270.03
CROSS-LISTING: NESC 3370.03

PSYO 3371 Neuroscience Laboratory II

CREDIT HOURS: 3

Introduction to several techniques used in contemporary neuroscience. Students work under supervision in groups of 2 or 3 in regular labs that introduce neuroanatomical analyses using the following: Golgi impregnation, immunocytochemistry, dye-tracing of connections, electronmicroscopy of the retina, and neurotransmitter determinations using HPLC.

FORMAT: Lab

LAB HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO/NESC 2470.03 and 2570.03, or PSYO/NESC 3270.03

CROSS-LISTING: NESC 3371.03

PSYO 3390 Cognitive Development

CREDIT HOURS: 3

In this course we trace the development of the child's knowledge from birth to adolescence. Piaget's theory provides the background for the study of recent progress in our understanding of children's concepts of the physical world.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO 2090.03

PSYO 3502 Statistical Methods II

CREDIT HOURS: 3

This course is the continuation of PSYO 2501.03, with the examination of more complex, but commonly used, inferential statistics. Topics include factorial ANOVA, ANCOVA, and multiple regression. This course is intended primarily for Honours students in Psychology or Neuroscience. Class work includes computer-based assignments.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, PSYO 2501.03 or STAT 2080.03, or instructor's consent

PSYO 3581 History of Psychology I

CREDIT HOURS: 3

Drawing on writings from antiquity to the early years of the 20th century, we explore the nature of historical explanation, explanation in science, knowledge and truth, life, human nature, the domains of animal and man, neuroscience, and personality. Usually offered in the Fall term.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or Instructor's consent

EXCLUSIONS: PSYO 3580.06

PSYO 3582 History of Psychology II

CREDIT HOURS: 3

Drawing on writings from antiquity to the early years of the 20th century, we explore the nature of learning, thinking, memory, intelligence, mental illness and treatment, the unconscious, dreams, development, and the self. Usually offered in the Winter term. Familiarity with ideas developed in PSYO 3581 is helpful.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or instructor's consent

EXCLUSIONS: PSYO 3580.06

PSYO 3670 Genes, Brain and Behaviour

CREDIT HOURS: 3

The application of genetic techniques to the study of cognitive abilities, psychopathology, personality disorders, stress-related illnesses, and ethical issues in genetic research. The role of genetic factors in eating and drug abuse problems, as well as methods used to study gene-environment interactions are explored.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2470.03/NESC 2470.03 or PSYO 2770.03, and BIOL 1010.03 or BIOL 1020.03 and BIOL 1011.03 or BIOL 1021.03, or SCIE 1505X/Y.18, SCIE 1515.X/Y36, SCIE 1520X/Y.30, or SCIE 1540X/Y.27 (with a grade of B- or better); BIOL 2020.03 and BIOL 2030.03 are useful

CROSS-LISTING: NESC 3670.03

EXCLUSIONS: PSYO/NESC 2670.03

PSYO 3770 Behavioural Neuroscience

CREDIT HOURS: 3

Behavioural neuroscience explores the neural and hormonal mechanisms underlying a variety of behavioural phenomena. The course focuses on neural correlates of social and emotional behaviour, motor behaviour and patterns, and behavioural toxicology processes (neurotoxins and endocrine disruptors).

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO 2000.03 or NESC 2007.03, and PSYO/NESC 2470.03 or PSYO 2770.03

CROSS-LISTING: NESC 3770.03

PSYO 3775 Behavioural Neuroscience Laboratory

CREDIT HOURS: 3

Students motivated to pursue a career in Neuroscience, or in a related biomedical discipline, gain direct experience studying the nervous system in relation to behaviour. Students acquire skills in animal handling, ethics, and measuring behaviour. Emphasis is placed on histological/molecular analysis of the brain including examining protein and/or mRNA levels. SIGNATURE REQUIRED

FORMAT: Lab

PREREQUISITE: PSYO 2000.03 or STAT 2080.03 or NESC 2007.03, PSYO/NESC 2470.03 or PSYO 2770.03, PSYO 2501.03 or STAT 2080.03, and one of PSYO/NESC 2160.03 or PSYO/NESC 2170.03 or PSYO/NESC 3237.03 or PSYO/NESC 3770, and instructor's consent

CROSS-LISTING: NESC 3775.03

PSYO 3790 Neurolinguistics

CREDIT HOURS: 3

The course covers: (1) brain damage and language disorders; (2) aphasia; (3) localization of lesions in the human brain; (4) neuroimaging; (5) intracranial electric stimulation experiments; (6) event-related brain potential experiments; (7) PET, fNMR scan experiments; (8) neural models of language processing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO/NESC 2470.03 or PSYO 2770.03

CROSS-LISTING: NESC 3790.03

PSYO 3970 Molecular Neuroscience

CREDIT HOURS: 3

This course examines the development, function, and pathology of the brain at the molecular level. Model systems are examined from the perspective of ion channels, messengers, receptors, intracellular signaling cascades, transcription factors, and genes. The concepts underlying basic cellular and molecular neuroscience tools are emphasized.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: PSYO/NESC 2570.03

CROSS-LISTING: NESC 3970.03

PSYO 4000 Senior Seminar

CREDIT HOURS: 3

An individually tailored reading or study course designed to allow Honours students to focus on a particular issue, or a set of related issues, that are not part of the regular program. Enrolment is contingent upon securing a faculty member to supervise the study program. SIGNATURE REQUIRED

COORDINATOR: J. Stamp

CROSS-LISTING: NESC 4000.03

PSYO 4001 Contemporary Issues in Psychology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4040 Learning Applications in Clinical and Social Psychology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4050 Topics In Perception

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PREREQUISITE: PSYO/NESC 3051.03

CROSS-LISTING: NESC 4050.03

PSYO 4080 Topics in Social Psychology and Personality

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4090 Development of Social Behaviour

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4092 Topics in Developmental Psychology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4120 Topics in Clinical Psychology

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

PSYO 4130 Topics in Human Information Processing

CREDIT HOURS: 3

SIGNATURE REQUIRED

FORMAT: Seminar

CROSS-LISTING: NESC 4130.03

PSYO 4140 Animal Learning Topics

CREDIT HOURS: 3

SIGNATURE REQUIRED
NOTES: PSYO/NESC 2140.03 recommended
FORMAT: Seminar

PSYO 4160 Topics in Behavioural Biology

CREDIT HOURS: 3
SIGNATURE REQUIRED
FORMAT: Seminar
CROSS-LISTING: NESC 4160.03

PSYO 4170 Topics in Behavioural Neuroendocrinology

CREDIT HOURS: 3
SIGNATURE REQUIRED
FORMAT: Seminar
CROSS-LISTING: NESC 4170.03
RESTRICTIONS: Restricted to PSYO/NESC Honours Students

PSYO 4224 Topics in Forensic Psychology

CREDIT HOURS: 3
SIGNATURE REQUIRED
FORMAT: Seminar
RESTRICTIONS: Restricted to Psychology Honours students

PSYO 4230 Human Performance Topics

CREDIT HOURS: 3
SIGNATURE REQUIRED
FORMAT: Seminar
CROSS-LISTING: NESC 4230.03

PSYO 4500X/Y Honours Thesis

CREDIT HOURS: 6
Under a staff member's supervision, each student conducts original research in experimental psychology. Students meet to describe their proposed research and progress. A formal written report of the completed research is required. The final grade is based on originality and skill with emphasis on the written and oral reports.
SIGNATURE REQUIRED
NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.
PREREQUISITE: Fourth-year Honours students, and instructor's consent
CROSS-LISTING: NESC 4500X/Y.06
RESTRICTIONS: Restricted to Honours students in their graduating year

PSYO 4740 Topics in the Neurobiology of Learning and Memory

CREDIT HOURS: 3
SIGNATURE REQUIRED
FORMAT: Seminar
PREREQUISITE: PSYO/NESC 2470.03, PSYO/NESC 2140.03
CROSS-LISTING: NESC 4740.03

Science, Interdisciplinary

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

SCIE 1111 Writing for the Sciences

CREDIT HOURS: 3

This course satisfies the Faculty of Science Writing Requirement. The course covers the history of writing and information theory, grammar and punctuation, sentences and paragraphs, scientific style, proposals, the scientific paper, citations and references, graphics, posters, and ethics. Weekly assignments/quizzes develop and reinforce writing skills introduced in lectures.

FORMAT: Lecture| Tutorial

SCIE 1505X/Y Integrated Science

CREDIT HOURS: 18

This program provides comprehensive first-year preparation for science major or honours degrees and includes a full-year writing course and research project in the sciences. Concepts and techniques are taught in Biology, Earth Science, Psychology, and Statistics and are linked to material taught in separate Chemistry, Mathematics, and Physics courses.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Lab

LECTURE HOURS PER WEEK: 9

LAB HOURS PER WEEK: 5

COREQUISITE: PHIL 1050.03; CHEM 1011.03/CHEM 1012.03; one of MATH 1000.03/MATH 1010.03 or MATH 1000.03 or MATH 1215.03 OR MATH 1280.03 and MATH 1290.03 or MATH 1500.06. Recommended: PHYC 1190.03/1290.03 or PHYC 1300.06 X/Y or PHYC 1310.03/1320.03 or PHYC 1310.03

CROSS-LISTING: BIOL 1010.03/1011.03 or BIOL 1020.03/1021.03; EARTH 1080.03; PSYO 1011.03/1012.03 or PSYO1021.03/1022.03; SCIE 1111.03; STAT 1060.03

SCIE 2000X/Y Knowing and Making the World: The History of Science from the Ancients to the Moderns

CREDIT HOURS: 6

This course is a broad introductory survey of the central developments in the history of science, open to first and higher level students whatever their fields, and may be an introduction to further study in the history of science. It examines the most revolutionary figures from the Greeks to the modern period. The work of each of these had such a profound influence upon their own era and upon subsequent times that students in the humanities will find this course clarifies the nature of science and its cultural importance. Students in the sciences will recognize that their contributions have been permanently woven into the fabric we call science. In uncovering the sources and character of each of these transformations in the theory and practice of science, the course will challenge conventional views about the nature and place of science. This course may be taken as an arts or science credit.

NOTES: Credit can only be given for this course if X and Y are completed in consecutive terms and partial credit cannot be given for a single term.

FORMAT: Lecture| Tutorial

CROSS-LISTING: BIOL 3503X/Y.06, HIST 3074X/Y.06, HSTC 1200/2200X/Y.06

EXCLUSIONS: HSTC 2201.03, BIOL 3502.03, HIST 3072.03, SCIE 4000.03

SCIE 2800 Science Co-op Seminar Orientation

CREDIT HOURS: 0

This course is designed to introduce Science Co-op students to aspects of career development and preparation for their work terms. This course is a prerequisite to the first work term and is a mandatory component of the Science-Cooperative Education program; all Science Co-operative Education students are required complete this course at least four months prior to the first workterm. A grade of Pass is required before students undertake the first work term experience.

FORMAT: Seminar

SCIE 3111 Communicating Science

CREDIT HOURS: 3

A course for senior science students to hone communication skills. Students (1) learn to communicate scientific information to various non-specialist audiences, and (2) prepare and deliver tutorials to small groups of SCIE 1111.03 students. The course allows students to use different communication styles and topics to build a portfolio.

PREREQUISITE: Permission of instructor

SCIE 3600 Exploring Geographic Information Systems

CREDIT HOURS: 3

This course provides a general overview of Geographic Information Systems (GIS), examining what GIS is, what it can do, and how it works. The course is aimed at students studying in all disciplines and will involve creating, understanding, manipulating and displaying geographic data. Topics will include data models, analysis of vector and raster data, creation of spatial databases, the Global Positioning System and other aspects of spatial data. Lectures (3 per week) will explore basic aspects of GIS in detail and introduce material to be covered in the labs. Labs are held once per week and will provide practical experience in data manipulation and problem solving.

PREREQUISITE: Two years of university study

EXCLUSIONS: EARTH 3500.03, ENVS 3500.03, GEOG 3500.03, EARTH 5600.03

SCIE 4001 History of Marine Sciences

CREDIT HOURS: 3

In this course, we will trace the history of marine sciences from the ancients to the 20th century. Topics may include ancient cosmologies, voyages of discovery, ocean circulation, and a range of scientific perspectives and technological developments that have shaped human understanding of the oceans.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Instructor's consent

CROSS-LISTING: BIOL 4664.03, OCEA 4331.03/5331.03, HIST 3073.03, HSTC 3331.03, MARI 4664.03

SCIE 4444 Leadership in Science

CREDIT HOURS: 3

Students will develop leadership skills and build confidence while applying their scientific knowledge. Through in-class activities and a science-based practicum, students gain experience with various aspects of leadership, allowing for integration and application of their expertise.

PREREQUISITE: Instructor permission. Students should have completed at least three (3) third year courses in their declared major and have a minimum of B+ average

in their major.
CROSS-LISTING: BIOL 4444.03

SCIE 4850 Geographic Information Science Research Project

CREDIT HOURS: 3

Students learn how to design, manage and complete a research project in Geographic Information Science (GIS). Projects must include a substantive analytical component where GIS is central to methods employed. Evaluation includes a written report, oral presentation and digital data. Required for completion of the Certificate in GIS.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

COREQUISITE: EARTH 5420.03/GEOG 4520.03

PREREQUISITE: ENVS 3500.03/ERTH 3500.03/GEOG 3500.03 and permission of instructor

CROSS-LISTING: BIOL 4850.03, ENVS 4850.03, EARTH 4850.03, GEOG 4850.03

EXCLUSIONS: Restricted to 3rd and 4th year students

Statistics

Location:

Building/Room: Chase Building

Street Address 1: 6316 Coburg Road

Street Address 2: Department of Mathematics and Statistics

P.O. Box: 15000

Halifax, NS B3H 4R2

Telephone: (902) 494-2572

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It doesn't matter if you want to design computer games, study the safety of nuclear power plants, analyzing the stock market or conduct political polls: scientists of all kinds work with numbers to measure and explore the world. That's where statistics comes in. Statistics is the study of the collection, organization, analysis, interpretation and presentation of data. Pulling knowledge from data helps us plan for the future and improve our quality of life.

The Dalhousie Statistics program is the only program in the Maritimes that offers a full range of undergraduate and graduate programs. Our undergraduate courses are also approved by the accreditation committee of the Statistics Society of Canada, so that our graduates can apply for the Associate Statistician designation.

Statistics makes a great undergraduate degree with wide applicability and is an essential component of any program in the sciences or social sciences.

Degree Programs

The Department of Mathematics and Statistics offers the following degree programs in Statistics

- BSc or BA (120 credit hour) Honours (Concentrated)*
- BSc or BA (120 credit hour) Combined Honours*
- BSc or BA (120 credit hour) Major*
- BSc or BA (120 credit hour) Double Major*
- BSc or BA (90 credit hour) Minor in Statistics
- Minor in Statistics

* May be combined with Minor programs from other disciplines

Departmental requirements for each degree program can be seen by following the links in the menu to the right.

In addition to departmental requirements, students must satisfy the requirements outlined in the Academic Regulations and the College of Arts and Science Degree Requirements sections. Students are advised that a number of requirements differ for the BA and BSc degrees.

A student is governed by the academic regulations in place at the time of initial enrolment, as long as the degree is completed within the time permitted (10 years). Subsequent changes in regulations shall apply only if the student so elects. Students applying the old academic regulations should consult the calendar of the appropriate year.

Students should plan their programs of study carefully and are strongly encouraged to do so in consultation with a Statistics undergraduate academic advisor.

Staff

Dean

Moore, C., BA (Hons), PhD (Cambridge), Professor (Psychology)

Chair of the Department

Smith, B., MSc (Calgary), PhD (Berkeley)

Director of Division

Gu, H., MSc (Peking), PhD (Hong Kong)

Faculty Advisor

Dowd M., PhD (Dalhousie) Honours and Undergraduate Advisor

Professor Emeritus

Field, C. A., MSc, PhD (Northwestern)

Professors

Hamilton, D. C., MA, PhD (Queens) Graduate Advisor Statistics

Smith, B., MSc (Calgary), PhD (Berkeley)

Susko, E., PhD (Waterloo)

Thompson, K., MSc (Manchester), PhD (Liverpool) (CRC Chair) - jointly with Oceanography

Zhao, Y., MSc (Western Kentucky), PhD (British Columbia) - cross appointment with Management

Associate Professors

Beiko, R., PhD (Ottawa) - cross appointment with Computer Science

Bielewski, J., MA, PhD (Texas A & M) - jointly with Biology

Dowd M., PhD (Dalhousie)

Gu, H., MSc (Peking), PhD (Hong Kong)

Herbinger, C., MSc (Paris), PhD (Dalhousie) - jointly with Biology

Mills-Flemming, J., MSc (TUNS), PhD (Dalhousie)

Assistant Professors

Kenney, T., BA (Hons), MMath, PhD (Cambridge) - cross appointment with Mathematics

Lecturer

Sarhan, A., PhD (Ghansk)

Adjunct Professors

Cole, D., PhD (McGill) Toronto
Gupta, R. P., PhD (Delhi) Dalhousie
Millar, M., PhD (Dalhousie) MSVU
Sneddon, G., PhD (Dalhousie) MSVU
Wang, X., PhD (Waterloo) St. FX

Postdoctoral Fellow

Wang, H., PhD (Ottawa)
Xu, X., PhD (Toronto)

Statistical Consultant

Liu, L., MSc (Dalhousie)

Please refer to the entry for the Department of Mathematics and Statistics for a full listing of the members of the Department and information on other programs offered by the Department.

BSc or BA (120 credit hour) Concentrated Honours in Statistics

Students who want a challenging program resulting in comprehensive knowledge of both theoretical and applied Statistics may want to enroll in an Honours program. Students interested in eventually pursuing graduate studies are particularly encouraged to consider Honours. Honours students complete a minimum of 54 credit hours above the 1000 level in Statistics with a minimum GPA of 3.0 and write a research-based Honours thesis. The research thesis and the Honours Qualifying Examination requirement are satisfied through completion of STAT 4950.03.

Admission to Honours

Students must apply for admission to Honours programs. Students considering Honours in Statistics should consult with a Statistics Honours Advisor early in their studies.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Concentrated Honours program in Statistics must complete the following courses:

1000 level

- MATH 1000.03/MATH 1010.03 or MATH 1215.03/MATH 1010.03
- STAT 1060.03¹
- CSCI 1100.03/CSCI 1101.03²

2000 level

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03/MATH 2040.03 or MATH 2030.03/MATH 2135.03
- STAT 2060.03
- STAT 2080.03³
- An additional six credit hours of STAT courses⁴ at or above the 2000 level, other than the courses listed below.

3000 level

- STAT 3340.03
- STAT 3350.03
- STAT 3360.03
- STAT 3380.03
- STAT 3460.03
- An additional nine credit hours of Statistics or Mathematics courses at or above the 3000 level, other than the courses listed below.

4000 level

- STAT 4066.03
- One of STAT 4350.03, STAT 4390.03 and STAT 4620.03
- STAT 4950.03

¹The requirement to take STAT 1060.03 may be waived for students entering the program in their second year.

²Math 3210 may be taken in place of CSCI 1101. Thus students can fulfill the basic computer skills requirement by taking CSCI 1100 and Math 3210.

³Some students may take STAT 2080.03 in the first year of their degree program.

⁴Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours:

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03
- MATH 2040.03

BSc or BA (120 credit hour) Combined Honours in Statistics and another subject

Students who wish to study Statistics in conjunction with another subject may wish to pursue a Combined Honours degree program. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science, or the College of Sustainability. Statistics may be the primary subject (defined as the subject with the larger number of honours credits), or the secondary subject.

Students planning to enroll in a Combined Honours program should consult with academic advisors from both programs early in their studies. Students must have their program of study approved by Academic Advisors in both subject areas. Students must complete an Honours Qualifying Examination in one of the two subject areas, a requirement normally completed in the primary subject area. For Statistics, this requirement is satisfied through STAT 4950.03.

Departmental requirements

Students in a BSc or BA Combined Honours program in Statistics and another subject must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections.

- A minimum of 30 credit hours in statistics courses at or above the 2000 level with a grade of C or better in each, which must include
- MATH 2001.03
- MATH 2030.03
- STAT 2060.03
- STAT 2080.03
- STAT 3340.03
- STAT 3360.03
- STAT 3460.03
- One additional three credit hours STAT course at the 4000 level.
- The remaining courses may be any Statistics⁴ courses at or above the 2000 level.

If Statistics is the primary subject, students will also complete

- STAT 4950.03 Honours Thesis and an additional six credit hours of STAT courses⁴ at or above the 2000 level

OR

- An honours thesis in another subject and an additional 9 credit hours of STAT⁴ courses at or above the 2000 level

⁴Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours:

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03
- MATH 2040.03

BSc or BA (120 credit hour) Major in Statistics

The 120 credit hour Major is suited to students who want to focus on Statistics, but wish to have a program that is somewhat less constrained than the Honours program.

Departmental requirements

In addition to fulfilling the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections, students in a BSc or BA Major program in Statistics must complete the following courses:

1000 level

- MATH 1000.03/MATH 1010.03 or MATH 1215.03/MATH 1010.03
- STAT 1060.03¹
- CSCI 1100.03/CSCI 1101.03²

2000 level

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03/MATH 2040.03 or MATH 2030.03/MATH 2135.03
- STAT 2060.03
- STAT 2080.03³

3000 level

- STAT 3340.03
- STAT 3360.03
- STAT 3380.03 or 3350.03
- STAT 3460.03
- At least six additional credit hours in Statistics⁴ or Mathematics courses at or above the 3000 level

¹The requirement to take STAT 1060.03 may be waived for students entering the program in their second year.

²Math 3210 may be taken in place of CSCI 1101. Thus students can fulfill the basic computer skills requirement by taking CSCI 1100 and Math 3210.

³Some students may take STAT 2080.03 in the first year of their degree program.

⁴Statistics courses are any courses listed or cross-listed as STAT. The following may also be counted towards statistics credit hours:

- MATH 2001.03
- MATH 2002.04
- MATH 2030.03
- MATH 2040.03

BSc or BA (120 credit hour) Double Major in Statistics and another subject

The Double Major degree program allows students to combine a study of Statistics with another subject. The other subject may be any discipline from the Faculty of Science, the Faculty of Arts and Social Sciences, the Faculty of Computer Science or the College of Sustainability. Statistics may be the primary subject (defined as the subject with the larger number of credits), or the secondary subject. If the primary subject area is from the Faculty of Arts and Social Sciences, the degree granted will

be a BA.

It is recommended that students enrolled in a Double Major program consult with advisors in both subject areas.

Departmental requirements

Students in a BSc or BA Double Major in Statistics and another subject must fulfill the requirements outlined in the Academic Regulations and College of Arts and Science Degree Requirements sections.

- A minimum of 30 credit hours in statistics courses at or above the 2000 level, including at least 12 credit hours above the 2000 level, which must include
- MATH 2001.03
- MATH 2030.03
- STAT 2060.03
- STAT 2080.03
- STAT 3340.03
- STAT 3360.03
- STAT 3460.03
- The remaining courses may be any statistics courses⁴ at or above the 2000 level.

⁴Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours:

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03
- MATH 2040.03

BSc or BA (90 credit hour) Minor in Statistics

The 90 credit hour Minor in Statistics is appropriate for students who want to study some Statistics but do not wish to complete the conventional four-year program. The degree is best suited for students who want a general science degree with some specialization in Statistics. A 90 credit hour degree program is not suitable for students who wish to pursue graduate studies. With additional study, the degree may be upgraded to a 120 credit hour Major or Honours degree at a later date.

A 90 credit hour BSc or BA in Statistics is usually the preferred option for students who wish to combine studies in Statistics with a degree in Engineering (see BSc/BEng or BA/BEng Concurrent Program).

See the Minor in Statistics section of this Calendar.

Minor in Statistics

This minor is available to students registered in a 120 credit hour Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor of Computer Science, Bachelor of Informatics or Bachelor of Management program.

A BSc or BA (90 credit hour) degree program with a minor in Statistics is also available.

Requirements

A minimum of 18 to a maximum of 36 credit hours in Statistics

- STAT 2060.03: Introduction to Probability and Statistics
- STAT 2080.03: Statistical Methods for Data Analysis and Inference
- STAT 3340.03: Regression and Analysis of Variance
- at least three credit hours of STAT at the 3000 level
- six credit hours of STAT at 2000 level or higher

¹Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours: MATH 2001.03, MATH 2002.03, MATH 2030.03, MATH 2040.03.

Co-op, Minors, Certificates and Engineering Concurrent Programs for Students

Minors available to students in Statistics

Minor programs allow students to develop subject specialities in addition to their Major or Honours subjects. Minors in other subjects are normally added to 120 credit hour BSc or BA programs.

Students in a BSc or BA (120 credit hour) program in Statistics may choose to include a Minor selected from the list of approved Minors. Courses counted toward a Major or Honours subject cannot be used to fulfill the requirements of a Minor program.

Certificates

In combination with a BSc or BA in Statistics, students may obtain one or more Certificates. A Certificate indicates that a student has achieved a certain level of proficiency in a given area or subspecialty. Courses counted toward a Major, Honours or Minor subject may also be used to fulfill the requirements of a Certificate. Students must apply to the Certificate Coordinator to be considered for a Certificate. Certificates are awarded upon graduation and are noted on the student's academic transcript.

A complete list of Faculty of Science Certificates and requirements can be found at the beginning of the Faculty of Science section. Students may also work toward obtaining Certificates offered by other Faculties; some of these are listed in the College of Arts and Science Degree Requirements section.

Certificates of particular interest to student enrolled in a BSc or BA in Statistics include:

- Certificate in Actuarial and Financial Mathematics
- Certificate in Applied and Computational Mathematics

BSc/BEng or BA/BEng Concurrent Program

Students interested in combining their interest in Program with a degree in Engineering may choose a BSc/BEng or BA/BEng Concurrent Program, normally completed in a 5 year period. Over the first three years, students complete the requirements for a 90 credit hour BSc or BA degree in Statistics and a Diploma of Engineering (the first two years of engineering studies). Two more years of engineering studies are then required to obtain a BEng. Interested students should see an undergraduate advisor from Statistics and from the Faculty of Engineering in their first year of study.

Required Statistics courses for a BSc/BEng or BA/BEng program in Statistics

- A minimum of 18 credit hours in Statistics courses at the 2000 level or higher, which must include STAT 2060.03, STAT 2080.03, STAT 3340.03 and at least one other STAT course⁴ at or above the 3000 level

⁴Statistics courses are any courses listed or cross-listed as STAT. The following can also be counted towards statistics credit hours:

- MATH 2001.03
- MATH 2002.03
- MATH 2030.03
- MATH 2040.03

Courses

Below you will find descriptions for courses offered in this field of study. You will find a general overview of the topics covered and any prerequisite course or grade requirements, credit value and exclusions.

The first digit of the course indicates the general level. Those in the 1000 series are introductory degree level. Courses at the 2000, 3000, 4000 series are available to students in the second, third, and fourth year. Courses numbered at the 5000 level or above are graduate level. Courses listed at the 0100 or 0200 series are technology level courses. Courses below the 0100 level are generally non credit courses.

Some courses are listed as exclusionary to one another. This means that students may not take both courses as designated.

Not all courses are offered each year. Please consult the current timetable for this year's offering. For further information please contact the department.

Course Descriptions

Course Notes

Certain courses have been approved for use in fulfilling the educational requirements of the Associate Statistician (A.Stat.) designation of the Statistical Society of Canada (SSC). See the Department or the SSC website (<http://ssc.ca/en/accreditation/apply/suggested-courses-use-towards-astat-designation>) for details.

Credit may not be obtained twice for the same course even if the numbers have been changed.

Actuarial Science

ACSC 3703 Actuarial Models I

CREDIT HOURS: 3

This class builds on the material in STAT 3360 to develop the theoretical basis for construction and evaluation of actuarial models. Topics covered include survival models, probability distributions, deductibles and limits, and aggregate loss models, with application to insurance.

PREREQUISITE: STAT 3360.03 OR MATH 3360.03 or permission of instructor

CROSS-LISTING: STAT 3703.03

EXCLUSIONS: STAT 4701.03

ACSC 3720 Life Contingencies I

CREDIT HOURS: 3

This course introduces the student to the mathematical models for valuation of life contingencies (e.g. life insurance policies). The course covers both the statistical aspects of modelling survival data, and the financial aspects of valuing uncertain future cash-flows.

PREREQUISITE: STAT 3360.03/MATH 3360.03 and STAT 2600.03/MATH 2600.03

CROSS-LISTING: STAT 3720.03

ACSC 3750 Credibility Theory

CREDIT HOURS: 3

Credibility theory deals with the difficulty in combining information from two samples, one of which is small but relevant, the other is large but less relevant. In this course, we will study different approaches to dealing with this problem.

COREQUISITE: STAT 3703.03/ACSC 3703.03

PREREQUISITE: STAT 3360.03 or MATH 3360.03

CROSS-LISTING: STAT 3750.03

ACSC 4703 Actuarial Models II

CREDIT HOURS: 3

This course focuses on the development of statistical methods for the estimation and validation of actuarial models. Topics to be discussed include: methods of estimation, properties of estimators, goodness of fit, credibility theory, survival estimators, measures of risk, estimation of severity and ruin models.

PREREQUISITE: STAT 3703 or ACSC 3703

ACSC 4720 Life Contingencies II

CREDIT HOURS: 3

STAT 3720.03 covers the basics of life contingencies in a simple standard situation. In this course we extend this to deal with a number of common additional features that affect life insurance policies. We introduce multiple-state models, pensions, interest rate risk and profit testing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3720.03 or ACSC 3720.03

CROSS-LISTING: STAT 4720.03

Statistics

STAT 1060 Introductory Statistics for Science and Health Sciences

CREDIT HOURS: 3

This course gives an introduction to the basic concepts of statistics through extensive use of examples. The topics include experimental design, descriptive statistics, simple linear regression and the basics of statistical inference. Students will learn to use the statistical package MINITAB. NOTE: Students who have already taken university level Calculus should consider taking STAT 2060.03 instead of STAT 1060.03.

NOTES: Students will not receive credit for taking STAT 1060.03 after receiving credit for STAT 2060.03.

FORMAT: Lecture| Tutorial

LECTURE HOURS PER WEEK: 3

PREREQUISITE: Academic or advanced Grade 12 Mathematics (or pre-calculus) or equivalent

CROSS-LISTING: MATH 1060.03

EXCLUSIONS: COMM 2501.03, MGMT 2501.03, DISP

STAT 2060 Introduction to Probability and Statistics

CREDIT HOURS: 3

Rigorous introduction to probability and statistical theory. Topics covered include elementary probability, random variables, distributions, estimation and hypothesis testing. Estimation and testing are introduced using maximum likelihood and the generalized likelihood ratio. Natural sequels for this course are STAT 2080.03 and 3360.03

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: MATH 1000.03 or MATH 1215.03 and either MATH 1010.03 or 2030.03, or DISP (except SCIE 1540X/Y.27)

CROSS-LISTING: MATH 2060.03, ECON 2260.03

EXCLUSIONS: ENGM 2032.03

STAT 2080 Statistical Methods for Data Analysis and Inference

CREDIT HOURS: 3

The usual sequel to STAT 1060.03 or STAT 2060.03. This course introduces a number of techniques for data analysis and inference commonly used in the experimental sciences. Topics covered include model building in linear models, multiple regression, analysis of variance, factorial designs, analysis of covariance using the general techniques for linear models and two and three way tables along with logistic regression. A natural sequel for this course is STAT 3340.03.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 1060.03 or STAT 2060.03 or DISP

CROSS-LISTING: MATH 2080.03, ECON 2280.03

EXCLUSIONS: COMM 2502.03, MGMT 2502.03, PSYO 2501.03

STAT 2300 Introduction to Mathematical Modelling I

CREDIT HOURS: 3

See course description for MATH 2300.03 in the Mathematics section of this calendar.

STAT 2600 Theory of Interest

CREDIT HOURS: 3

See course description for MATH 2600.03 in the Mathematics section of this calendar.

STAT 3340 Regression and Analysis of Variance

CREDIT HOURS: 3

A thorough treatment of the theory and practice of regression analysis. Topics include: fitting general linear models using matrices, optimality of least squares estimators (Gauss-Markov theorem), inferences, simple and partial correlation, analysis of residuals, case-deletion diagnostics, polynomial regression, transformations, use of indicator variables for analysis of variance and covariance problems, model selection, and an introduction to nonlinear least squares. This course makes extensive use of computer packages.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 2080.03, MATH 2030.03 and either MATH 1010.03 or STAT 2060.03 or DISP (except SCEI 1540X/Y.27)

CROSS-LISTING: MATH 3340.03

STAT 3345 Environmental Risk Assessment

CREDIT HOURS: 3

Statistical methods for assessing risk are discussed, including dose-response models, survival analysis, relative risk analysis, bioassay, estimating methods for zero risk trend analysis and association risks. Case studies are used to illustrate the methods.

PREREQUISITE: MATH 1000.03 or MATH 1215.03, STAT 2080.03 or equivalent

STAT 3350 Design of Experiments

CREDIT HOURS: 3

The aim of the course is to develop the fundamental statistical concepts required for designing efficient experiments to answer real questions. The first main subject is unit variation and control. The basic concepts of replication, blocking and randomization are each examined. The second main subject is treatment questions and structure. The ideas of factorial designs, split-plot and incomplete plot designs are presented. We conclude with a look at response surface methodology.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 2080.03, MATH 2030.03 and either MATH 1010.03 or STAT 2060.03 or DISP (except SCIE 1540X/Y.27)

CROSS-LISTING: MATH 3350.03

STAT 3360 Probability

CREDIT HOURS: 3

The concepts and application of probability. Topics include the classical discrete and continuous distributions, including the binomial, hypergeometric, multinomial, Poisson, uniform, exponential and normal; definitions and properties of random variables; independence; sums of independent random variables, including the law of large numbers and central limit theorem; conditional probability; and the bivariate normal distribution. Examples will be taken from the natural and physical sciences.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 2060.03 and MATH 2001.03

CROSS-LISTING: MATH 3360.03

STAT 3380 Sample Survey Methods

CREDIT HOURS: 3

The development of design and analysis techniques for sample surveys. Topics include simple, stratified and systematic random sampling, ratio and regression estimation, sub-sampling with units of equal and unequal size, double-multistage and multiphase sampling, non-sample errors and non-respondents.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 2060.03
CROSS-LISTING: MATH 3380.03

STAT 3460 Intermediate Statistical Theory

CREDIT HOURS: 3

This course provides an intermediate level coverage of statistical theory to provide a framework for valid inferences from sample data. The methods developed are based on the likelihood function and are discussed from the frequentist, likelihood, and Bayesian approaches. The problems of point estimation, interval estimation and hypothesis testing and the related topics of sampling distributions, sufficiency, and Fisher Information are discussed.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3360.03

CROSS-LISTING: MATH 3460.03

STAT 3703 Actuarial Models I

CREDIT HOURS: 3

This class builds on the material in STAT 3360 to develop the theoretical basis for construction and evaluation of actuarial models. Topics covered include survival models, probability distributions, deductibles and limits, and aggregate loss models, with application to insurance. This course covers the part of the syllabus for the professional actuarial examination concerned with the Construction and Evaluation of Actuarial Models.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3360.03 OR MATH 3360.03

CROSS-LISTING: ACSC 3703.03

EXCLUSIONS: STAT 4701.03

STAT 3720 Life Contingencies I

CREDIT HOURS: 3

This course introduces the student to the mathematical models for valuation of life contingencies (e.g. life insurance policies). The course covers both the statistical aspects of modelling survival data, and the financial aspects of valuing uncertain future cash-flows.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3360.03, STAT 2600.03

CROSS-LISTING: ACSC 3720.03

STAT 3750 Credibility Theory

CREDIT HOURS: 3

Credibility theory deals with the difficulty in combining information from two samples, one of which is small but very relevant, the other is large but less relevant. In this course, we will study different approaches to dealing with this problem.

COREQUISITE: ACSC 3703.03

PREREQUISITE: STAT 3360.03

CROSS-LISTING: ACSC 3750.03

STAT 4066 Advanced Statistical Theory I

CREDIT HOURS: 3

This course, together with STAT 5067.03 provides a solid basis in the theory of statistical inference. After a review of some probability and distribution theory, the Bayesian and classical theories of estimation and testing are introduced.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3460.03 or instructor's consent

CROSS-LISTING: MATH 4066.03/5066.03, STAT 5066.03

STAT 4100 Survival Analysis

CREDIT HOURS: 3

This course is an introduction to survival analysis methods and will cover both the statistical theory behind the methods, and the application of various techniques. Topics to be discussed include survivorship and hazard functions and their relationship to lifetime distributions and densities; modes of censoring; the Kaplan-Meier estimate of the survivor function; parametric survival time distributions; proportional hazard models and their semi-parametric estimation; accelerated life models, log rank tests, including the Mantel-Haenszel test; and goodness of fit measures.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3340.03 and STAT 3460.03, or equivalent

CROSS-LISTING: STAT 5100.03

STAT 4300 Topics in Statistics and Probability

CREDIT HOURS: 3

CROSS-LISTING: STAT 5300.03

STAT 4350 Applied Multivariate Analysis

CREDIT HOURS: 3

The course deals with the stochastic behaviour of several variables in systems where their interdependence is the object of analysis. Greater emphasis is placed on practical application than on mathematical refinement. Topics include classification, cluster analysis, categorized data, analysis of interdependence, structural simplification by transformation or modelling and hypothesis construction and testing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3340.03 and MATH 2135.03 or 2040.03
CROSS-LISTING: STAT 5350.03

STAT 4360 Robust Statistics

CREDIT HOURS: 3

Robust statistics are those which provide protection against violation of assumptions underlying the statistical procedure. We will develop basic concepts including sensitivity, influence and breakdown of estimates and tests. Classical procedures will be evaluated in terms of robustness and alternate techniques developed based on weighted least squares and/or median based generalizations. We will also consider robust techniques in time series.

PREREQUISITE: STAT 3340.03 and STAT 3460.03

CROSS-LISTING: STAT 5360.03

STAT 4370 Stochastic Processes

CREDIT HOURS: 3

The theory and application of stochastic processes. Topics to be discussed include the Poisson process, renewal theory, discrete and continuous time Markov processes, and Brownian motion. Applications will be taken from the biological and physical sciences, and queueing theory.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3360.03 or instructor's consent

CROSS-LISTING: STAT 5370.03

STAT 4390 Time Series Analysis

CREDIT HOURS: 3

Time series analysis in both the time and frequency domain is introduced. The course is applied and students are required to develop their own computer programs in the analysis of time series drawn from real problems. Topics to be discussed include the nature of time series, stationarity, auto and cross covariance functions, the Box-Jenkins approach to model identification and fitting, power and cross spectra and the analysis of linear time-invariant relationships between pairs of series.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3340.03, 3460.03, or instructor's consent

CROSS-LISTING: OCEA 4210.03/5210.03, STAT 5390.03

STAT 4570 Statistical Genetics

CREDIT HOURS: 3

Statistical aspects of several ideas in genetics are discussed. Topics of some or all the following: gene frequency estimation, Hardy-Weinberg equilibrium, linkage analysis, association studies, quantitative traits, microarrays.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3460 or permission of instructor

CROSS-LISTING: STAT 5570

STAT 4620 Data Analysis

CREDIT HOURS: 3

A variety of statistical models which are useful for the analysis of real data are discussed. Topics include: generalized linear models, such as logistic regression and Poisson regression, models for multidimensional contingency tables, ordered categories and survival data.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3340.03, 3460.03, or instructor's consent

CROSS-LISTING: STAT 5620.03

STAT 4701 Actuarial Models I

CREDIT HOURS: 3

This course develops the theoretical basis of a number of probabilistic models useful for the study of life contingencies, including survival models, Markov chains, Poisson processes, with application to life insurances and annuities.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3360.03

STAT 4703 Actuarial Models II

CREDIT HOURS: 3

This course focuses on the development of statistical methods for the estimation and validation of actuarial models. Topics to be discussed include: methods of estimation, properties of estimators, goodness of fit, credibility theory, survival estimators, measures of risk, estimation of severity and ruin models.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3703/ACSC3703

STAT 4720 Life Contingencies II

CREDIT HOURS: 3

STAT 3720.03 covers the basics of life contingencies in a simple standard situation. In this course we extend this to deal with a number of common additional features that affect life insurance policies. We introduce multiple-state models, pensions, interest rate risk and profit testing.

FORMAT: Lecture

LECTURE HOURS PER WEEK: 3

PREREQUISITE: STAT 3720.03

CROSS-LISTING: ACSC 4720.03

STAT 4950 Honours Research Project

CREDIT HOURS: 3

This course is required for students in the honours program. It will consist of a research project carried out under the supervision of a faculty member. The results of the research will be submitted to the statistics honours advisor as a written report. Students wishing to enroll in this course must have a suitable background in statistics, and must meet with, and obtain the approval of, the statistics honours co-ordinator before undertaking their project.

STAT 8892 Co-op Work-Term II

CREDIT HOURS: 0

STAT 8893 Co-op Work-Term III

CREDIT HOURS: 0

Centres and Institutes

A number of centres and institutes for study and research in specific fields are based at the University. These are:

Atlantic Health Promotion Research Centre

Managing Director: Sally Walker, PhD
Scientific Director: Lois Jackson, PhD
Other: Project Coordinators, Research Associates, Research Assistants, and students
Tel: (902) 494-2240
Fax: (902) 494-3594
Website: <http://www.ahprc.dal.ca>

The Atlantic Health Promotion Research Centre (AHPRC) is a leading Canadian health promotion research centre based at Dalhousie University. AHPRC was established in 1993 to conduct interdisciplinary, collaborative population health and prevention research that informs policies and programs to improve the health of Canadians.

The centre is conducting research on health services and health systems, healthy eating and physical activity, knowledge translation, prevention of chronic illness and disability, oral health of seniors, youth obesity, aboriginal health, and harm reduction.

The AHPRC is currently supported by the Faculties of Health Professions, Dentistry and the Office of the Vice President Academic and Provost at Dalhousie University. Support for specific research projects comes from agencies such as Canadian Institutes for Health Research, Social Sciences and Humanities Research Council of Canada, Nova Scotia Health Research Foundation, and Heart and Stroke Foundation of Canada.

Our research associates hold appointments in the Faculties of Health Professions, Architecture, Management, Medicine, Dentistry and Science.

Atlantic Institute of Criminology

Director: D.H. Clairmont, BA, MA, PhD

The Atlantic Institute of Criminology (AIC) is a research institute that is heavily policy-oriented in the field of crime and the criminal justice system. Its mandate is to foster the exchange of information among researchers and policy makers in those areas. Consultative services are provided to fellow scholars and researchers, including graduate students and visiting professors, with respect to the planning and execution of research projects and related undertakings. The AIC is an entity that itself conducts extensive research in criminology, especially with respect to policing, the administration of justice, youth justice issues, race, ethnic and equity issues in justice. It has produced a significant body of policy-oriented research on Aboriginal and African-Canadian justice issues. The AIC Dalhousie website (Dalhousie - SOSA-AIC), which is regularly updated, provides a clear indication of the research products of recent years even though the website is largely restricted to research output that does not include articles in professional journals or edited books available elsewhere.

Atlantic Research Centre (ARC)

Director: Neale Ridgway
Phone: (902) 494-7133
Website: <http://arc.medicine.dal.ca/>

Established in 1967, the ARC conducts basic biomedical research in the fields of lipid metabolism and cell signalling, areas of fundamental importance to a variety of disorders including cancer, neurological, heart and infectious diseases. It also provides education and expertise in these fields to undergraduate and graduate students, other researchers, and the general public. The ARC houses state-of-the-art facilities for biochemical and molecular biological research, including a regional proteomics service facility (DalGEN, <http://genomics.medicine.dal.ca/pms>), and is affiliated with the IWK Cheminformatics & Drug Discovery Laboratory. The Centre's staff hold appointments in the Departments of Pediatrics and Biochemistry and Molecular Biology in the Faculty of Medicine. Research at the ARC is supported by agencies such as the CIHR, NSERC, CFI, Heart and Stroke Foundation, National Cancer Institute, Atlantic Innovation Fund, and the IWK Health Centre.

Brain Repair Centre

Chair: Dr. Victor Rafuse, Director
Website: <http://www.brainrepair.ca/>

The Brain Repair Centre (BRC) is a collaboration of Dalhousie University, the Capital District Health Authority and the IWK Health Centre. The BRC is a multi-disciplinary unit focusing on research that can lead to the diagnosis, treatment, and repair of the brain to overcome the effects of neurological and psychiatric disorders such as Parkinson's disease, Huntington's disease, Amyotrophic Lateral Sclerosis (ALS), Epilepsy, Muscular Sclerosis (MS), stroke and spinal cord injury. The BRC grew out of the clinical Neural Transplantation Program, collaboration between basic neuroscientists and clinicians interested in treating Parkinson's disease. The success of the Neural Transplantation Program led clinical and basic neuroscientists to decide to form the Brain Repair Centre. The BRC was formed in 1999 and has focused on stem cell transplantation, Parkinson's disease, spinal cord injury, psychotic disorders, stroke and neuroimaging as areas of innovation at Dalhousie University, Capital Health and the IWK Health Centre.

Examples of BRC achievements include:

- Attracted capital funding from private donors, institutions and the public sector to support construction and fit-up of the new Life Sciences Research Institute. When the LSRI is completed, the Brain Repair Centre will become the anchor tenant of this new research and commercialization building with state-of-the-art research, equipment and facilities.
- Establishment of collaboration agreements with research teams at McLean Hospital/Harvard University; Jilin University, China; Cardiff University, Wales; and Neurodyn, Inc.
- Establishment of a \$12 million magnetic resonance imaging facility with the national Research council's Institute for Biodiagnostics (NRC-IBD).
- In 2006, the BRC was awarded \$5.5 million for infrastructure from the Canadian Foundation for Innovation, the largest such award to date in Atlantic Canada. Also in 2006, BRC received a \$3 million Atlantic Innovation Fund award for research, a follow-on to an earlier \$3 million research award.
- Dr. David Clarke, a member of the Brain Repair Centre used a virtual model of a patient's brain to remove a simulated brain tumour before removing the actual tumour the following morning. Developed by a partnership of the National Research Council and a team of about 50 people in 10 Centres across Canada, this was the first such surgery performed in the world.
- Medtronic Canada, Capital District Health Authority, QEII Foundation, and the Brain Repair Centre established a Canadian Centre of Excellence and Training at the Halifax Infirmary. This new \$3.5 million centre provides important new clinical facilities for training and development in imaging, spinal cord and neuromodulation.
- In the neurotransplantation field, the BRC is unique in Canada and one of only four centres worldwide involved in clinical application of neural transplantation, with the "Halifax Protocol" accepted as the world gold standard.
- The BRC is an innovative collaboration that integrates its research expertise with pioneers in the fields of imaging, neurology, stem cell neurobiology, vision, molecular neurobiology, pharmacology, psychiatry, clinical trials and cognitive neuroscience.
- The BRC brings together the expanding fields of neuroimaging and stem cell technologies with application to the treatment of neurological and psychiatric disorders.
- The BRC is the Atlantic Canada presence in the Stem Cell Network, a National Centre of Excellence in stem cell research.

The BRC places emphasis on moving basic science research from the bench to the clinical bedside and from the bedside back to the bench. A key objective of the BRC is to produce innovative technologies that will be commercialized.

Canadian Institute of Fisheries Technology (CIFT)

Director: A. T. Paulson, PhD
Telephone: (902) 494-3280
Fax: (902) 420-0219
Website: <http://cift.engineering.dal.ca>

CIFT was established in 1979 at the former Nova Scotia Technical College (later TUNS). The federal Department of Fisheries and Oceans provided much of its early specialized laboratory and seafood pilot scale processing equipment, and Industry Canada provided start-up funding and designated CIFT a centre of excellence. As a government-approved laboratory for advanced technology, it also provides R&D services on a cost-recovery basis to industry and to various governmental agencies. The Institute promotes technology transfer and the development of advanced technologies aimed at more effective commercial utilization of both marine and terrestrial resources in Canada and throughout the world.

In addition, CIFT offers unique opportunities for post-graduate training and research through the Food Science program. Major areas of emphasis are: food biochemistry and microbiology; fats, oils, nutraceuticals and other bioactives; physical properties of foods; fish/food process engineering; food safety and preservation; food rheology, food fermentation and beverage science.

Facilities

CIFT is located in the MacDonald Building of Sexton Campus at 1360 Barrington Street in downtown Halifax. The Institute's facilities include:

- fats and oils laboratory

- food chemistry laboratory
- food development laboratory
- sensory evaluation laboratory
- food process engineering pilot plant
- low temperature storage facility
- food physical properties laboratory
- food microbiology laboratory

These areas contain specialized instrumentation and food processing equipment to enable experimental processing, laboratory analysis, and product storage evaluation. In addition to a computer- controlled cold-storage facility, the pilot plant is equipped for experimental processing including freezing, chilling, thermal processing, drying, centrifugal separation, and meat-bone separation.

The pilot plant is well equipped for thermal processing with an automated retort capable of steam, steam-air, or water immersion processing research. The specially designed cold-storage facility is computer controlled and particularly useful for the study of changes in foods as a result of frozen storage history. The pilot plant is also equipped with a custom-built computer-controlled heat pump dryer that is used in food dehydration experiments.

Specialized laboratory equipment includes: automated high performance and fast protein liquid chromatography systems, gas chromatography/mass spectroscopy system, preparative ultracentrifuge, multi-purpose refrigerated centrifuge, microtube centrifuge, analytical and preparative electrophoretic/isoelectric focusing equipment, pulsed field electrophoresis system, thermocycler, DNA gel electrophoresis, Hoefer Daltix for 2D electrophoresis, Image Master 2D elite software, capillary electrophoresis system, ultra-low temperature freezer, universal texture testing machine, various colorimeters, U.V. and visible spectrophotometer, spectrofluorometer, electrokinetic analyzer, workstation for mathematical modelling and computer simulation, Linkham shearing stage/microscope, Nikon microscope (various attachments), controlled stress rheometer with a high temperature/pressure attachment, controlled rate rheometer, Viscomat, and a rolling ball viscometer.

Educational Opportunities

Graduate (MSc and PhD) programs are available through the Food Science and Technology program. Also post-doctoral research opportunities are offered. Graduate level class work and research opportunities relate to food science, seafood processing technology, marine oils, engineering design, packaging technology, fish post-mortem biochemistry, food microbiology, food rheology and food process science. Students with degrees in food science, engineering, chemistry/biochemistry, microbiology or biology are invited to apply.

Canadian Center for Vaccinology

Director:	Scott Halperin, MD
Associate Directors:	Robert Anderson, MD Joanne Langley, MD Janice Graham, PhD
Website:	www.centerforvaccinology.ca
Email:	ccfv@iwhk.nshealth.ca
Facebook:	CCfVhfx
Twitter:	@VACCres
Telephone:	902 470-8141
Fax:	902 470-7232

Vision

CCfV is an integrated collaborative multidisciplinary vaccine research team committed to excellent research. CCfV unites the biomedical and clinical sciences with the social sciences and humanities to effectively span the research continuum from basic discovery to translation into useful vaccines to prevent disease in humans and to change population and public health outcomes.

Organization

Activity within CCfV is organized into three groups

- Vaccine Discovery Group

- Vaccine Evaluation Group
- Health Policy & Translation Group

An **Advisory Committee** of CCFV investigators and external advisors provides counsel on the strategic direction and objectives of CCFV research.

Members

Anyone with an interest in vaccine-related research may apply for membership at <http://www.centerforvaccinology.ca/about-ccfv/join-us/>

For a list of current members go to <http://www.centerforvaccinology.ca/about-ccfv/members/>

CCFV is made possible by a continuing collaboration of Dalhousie University, the IWK Health Centre, and Capital Health. The CCFV's 20,000 square foot facility in the IWK Health Centre includes laboratories for microbiological and molecular research, ambulatory and inpatient clinical trial facilities, data analysis, training and conference space. It was founded in 2007 with financial assistance from the Canada Foundation for Innovation, the Nova Scotia Research and Innovation Trust, and the Government of Nova Scotia's Department of Economic Development, among others. The Clinical Research/Vaccine Challenge Unit, which opened in 2009, was made possible by additional funding from Sanofi Pasteur.

Centre for African Studies

Director: Theresa Ulicki, PhD
 Phone: (902) 494-3814/1377
 Fax: (902) 494-2105

This Centre, established in 1975, advances instruction, publication, research and development education programs in African Studies. Associated faculty offer classes through the Departments of History, International Development Studies, Political Science, French, Sociology and Social Anthropology and Philosophy. The Centre organizes academic and informal seminars and public policy conferences on Africa and encourages interdisciplinary interaction at all levels on African subjects and issues. It co-operates with the International Development Studies department and with the International Research and Development office.

Centre for Comparative Genomics and Evolutionary Bioinformatics

Director: Andrew J. Roger, PhD
 Coordinator: Wanda Danilchuk
 Phone: (902) 494-2620
 Fax: (902) 494-1355
 Website: <http://www.cgeb.dal.ca>

The Centre for Comparative Genomics and Evolutionary Bioinformatics (CGEB) at Dalhousie University encompasses an interdisciplinary group of researchers in the Faculties of Medicine, Science and Computer Science. Although microbial genome evolution and diversity is at the heart of many of the CGEB researchers' activities, our work spans computational biology, computer science, statistical modeling and comparative genomics, with a strong focus on method and theory. The application of DNA sequencing technologies to characterize the genomes of a wide diversity of microbes has generated vast quantities of genome sequence data. Now the intellectual challenge is to develop from this enormous resource more comprehensive and theoretically robust phylogenetic, genetic and ecological models to further our understanding of the many roles of microbes in the biological world.

CGEB researchers are united by the common goal of using this vast resource of genomic information to elucidate evolutionary patterns and processes: the pathways by which microbial organisms have diversified over the last 3.5 billion years of Earth's history and through which they continue to shape the global environment. Only through the integration of experimental genomic approaches and sophisticated bioinformatic modeling will we be able to achieve this goal.

CGEB researchers and trainees are supported by grants from the Canadian Institutes for Health Research (CIHR), Natural Sciences and Engineering Research Council (NSERC), the Nova Scotia Health Research Foundation (NSHRF). The Centre itself is supported by funding from the Tula Foundation (<http://www.tula.ca>), the Faculties of Medicine, Science and Computer Science. CGEB is also supported by a large grant from the Tula Foundation (<http://www.tula.ca>) that provides funds for training top-notch postdoctoral and graduate trainees in the CGEB research specialties. We also have a regular seminar series that brings world renowned scientists to speak at Dalhousie University and interact with faculty members and trainees.

Centre for Environmental and Marine Geology

Director: Professor D. B. Scott

This Centre was originally founded as the Centre for Marine Geology in 1983 to promote interdisciplinary studies of various types of problems in marine Geology, capitalizing on our unique position in Canada with links to related departments such as Oceanography, Physics, Biology, the Bedford Institute of Oceanography and our

hosting of the Canadian office of the Ocean Drilling Program. Since 1983 the role of the Centre has changed, reflected in the new name, which better describes the work being done now where marine geology is combined with environmental problems. We have three new faculty that expand our expertise into new chronological techniques and permafrost as well as strengthening our capacity in the petroleum-related environmental geology. Some of the objectives of the Centre are to: 1) continue to expand our participation in a revitalized east coast offshore energy related problems; 2) continue our climate-change work with a variety of approaches both offshore and on land; 3) expand into Arctic regions both with major oceanographic and shore-based programs; and 4) expand our capacity to help solve some of the many environmental geology problems associated with urbanization.

Centre for European Studies

Director: Jerry White (Canada Research Chair in European Studies)

Email: jerry.white@dal.ca

The Centre for European Studies was established in 2007 to promote research on all aspects of European society and its relations with the rest of the world. The Centre facilitates the work of Europeanist scholars at Dalhousie, including the participating Canada Research Chairs in European Studies, enables research collaboration with scholars from Canada and around the world on projects related to Europe and the European Union.

Centre for Foreign Policy Studies

Director: David R. Black, PhD

Lester B. Person Professor, International Development Studies

Established in 1971 the Centre is concerned with teaching, research, publication, policy advice and other professional activities in the various aspects of foreign policy, security studies, development studies, and international politics.

The Centre's work is concentrated in the areas of Canadian and comparative maritime security and oceans policy, Canadian and American foreign and security policies, and global security and international development. Its geographical specializations include Canada, North America, Europe, and the South (especially Africa, Asia, and the Caribbean). The Centre encourages activities in these areas by Faculty, Research, and Doctoral Fellows, and advances communication among local and international communities in these fields through seminars, workshops conferences and colloquia, often in collaboration with local, national, and/or international organizations. It publishes occasional papers and monographs on Maritime Security, Canadian Defence and Security, and Global Security issues.

The Centre is an integral part of the Department of Political Science. Centre faculty offer classes through the Department in foreign and defence policy, international relations and development, and maritime affairs at both undergraduate (majors and honours) and graduate (MA and PhD) levels. They also supervise masters and doctoral theses in these fields.

For further information, consult the Centre's website: <http://centreforforeignpolicystudies.dal.ca>.

Centre for Innovation in Infrastructure

Director: John Newhook, PhD, PEng

Location: Room B233, Sexton Campus

1360 Barrington Street

PO Box 1000

Halifax, NS B3J 2X4

Phone: (902) 494-2847

Email: forgeron@dal.ca

The Centre for Innovation in Infrastructure is an industry-oriented research centre with the Faculty of Engineering and with strong affiliations with the Department of Civil and Resource Engineering. Established in 1983 as the Nova Scotia CAD/CAM Centre, the Centre originally focussed on assisting Atlantic Canadian industry with the integration of computer added manufacturing and computer aided design technology in their operations. Since the 1990's the Centre has continued to evolve to meet the needs of industry in other areas and to take a more active role in research and development in civil infrastructure.

Today the Centre act as a focal point for research, innovation and technology transfer in Civil Infrastructure related areas. The major funding partnerships are with the Atlantic Canadian departments of transportation, industries related to bridge and structural engineering and with companies developing new materials and products for infrastructure.

Our combined areas of expertise and research interests include:

- Structural Analysis and Design
- Structural Health monitoring

- Bridge engineering and innovations
- Soil-steel structures
- Fibre reinforced polymers
- Fibre reinforced concrete
- NDT of bridge decks and pavements
- Sustainable asphalt technology

The Centre has acquired and maintains significant testing equipment related to these research areas and contributes to the maintenance and operation of the research facilities within the Department of Civil and Resource Engineering.

Centre for International Trade and Transportation

Location: Suite 2060, 6100 University Avenue
PO Box 15000
Halifax, NS B3H 4R2

Director: Daniel Lynch, PhD
Phone: (902) 494-6248
Email: dan.lynch@dal.ca

Student Exchange Coordinator: Tim Richard
Phone: (902) 494-2224
Email: tim.richard@dal.ca
Fax: (902) 494-1483
Website: <http://citt.management.dal.ca>

The Centre was established in 1975 with a mission to foster international business teaching and research and enhance Canada's global competitiveness through innovative programs and outreach services. CITT supports a wide range of learning experiences including academic exchanges, the Student Research Symposium, the International Case Competition. The Centre recently partnered with Michigan State University's Canadian Studies Program to work towards increasing global trade between the US and Canada (the world's largest trading partners).

Centre for Marine Vessel Development and Research (CMVDR)

Contact: Josh Leon, Dean of Engineering

The mandate for this Centre is under review.

Centre for Transformative Nursing and Health Research

Interim Director: Dr. Gail Tomblin Murphy
Research Coordinator: Julie Barry
Location: School of Nursing, 5869 University Avenue, Halifax NS B3H 4R2
Tel: (902) 494-6125

The Centre for Transformative Nursing and Health Research is a newly designated Research Centre at Dalhousie University. The vision of the Centre is to undertake collaborative research that develops, enhances, expands and disseminates evidence and knowledge to inform ways to improve and sustain people's health and wellbeing. The mission of the Centre is to generate nursing research and inspire discovery that is methodologically sound, actionable, and dedicated to improving outcomes for those requiring health care, their providers and the overall system. Through strong research partnerships and extensive research capacity building initiatives, the Research Centre will be acknowledged as a key resource for health system planning. This collective strength creates a more research-intensive environment, transforming the culture of health research within and beyond the School so that evidence and the quest for new knowledge are well integrated into teaching and clinical practice. The overall improved scholarly environment ensures graduates engage in original research, advance professional knowledge and are well positioned to be leaders in practice and health system change.

In concert with the School of Nursing's transformation strategy, Academic Plan and Research Strategy and informed by Boyer's Model of Scholarship, the Centre's activities will focus on four research pillars: the health needs of people, health workforce and health systems planning, marginalized populations and health equity, and knowledge translation.

Centre for Water Resources Studies

Director: Graham Gagnon, PhD, PEng
Location: Office D-514
1360 Barrington Street
Phone: (902) 494-3268
Email: cwrs@dal.ca

The Centre for Water Resources Studies was established in December 1981, by a resolution of the Board of Governors (TUNS). The objectives of the Centre are to carry out applied research which contributes to the effective and sustainable protection of water resources in Atlantic Canada, nationally and internationally, and to facilitate the transfer of new knowledge to potential users. Research programs directed by the Centre address the design of cost-effective on-site wastewater systems, soil erosion processes, drinking water treatment, the use of roofwater cisterns for domestic water supply, eutrophication, watershed management and the computer modeling of hydrodynamic and hydrochemical processes. The Centre also has a number of research advisory panels, which involve professionals from industry, government and academia in applied research related to water use and water management.

Facilities

The Centre for Water Resources Studies is located on the fifth floor of “D” Building on Sexton Campus. Laboratory and office space is available for specific graduate research topics, as well as ongoing research carried out by Centre personnel. Analytical equipment includes instrumentation for determining low levels of major ions and nutrients, as well as trace quantities of metal ions in water. The Centre has apparatus for laboratory investigation and pilot scale testing of innovative water treatment methods using Dissolved Air Flootation (DAF) and ozonation and has worked with local consultants and municipalities to develop new applications of the technologies. The Centre is a North American leader in the development of on-site sewage disposal and has had an active research program in this area since 1987. In conjunction with the Faculty of Agriculture, the Centre has a field laboratory investigating sloping sand filters and septic disposal.

Educational Opportunities

The Centre co-operates with academic units in the training of undergraduate and graduate students who have an interest in water resources. The Centre also participates in the program leading to a dual degree in water resources engineering and planning, in conjunction with the School of Planning into the Faculty of Architecture and Planning.

Dalhousie Institute for Society and Culture (DISC)

Director: Associate Dean
Research in the Faculty of Arts and Social Sciences
Email: discfass@dal.ca
Website: <http://arts.dal.ca/Research>

Established in 2008, the Dalhousie Institute on Society and Culture serves as the virtual home for the many divergent research activities and initiatives within the Faculty of Arts and Social Sciences. Its primary function is to support research within the Faculty through various fellowship programs, publicity and fund raising initiatives, publishing ventures, conferences and lecture series, and cross-disciplinary exchanges.

The Institute encompasses two broad and overlapping research clusters: *Societies in Local, National, and Global Contexts*, and *Cultural Representations and Presentations*. The former cluster aims to develop new knowledge about political, social, and economic transformations, about national and regional identities, and about global relations, whereas the latter seeks to investigate and preserve cultural traditions, literatures, and languages, to foster studies and theories of cultural identity, to stimulate artistic innovation, to examine the shaping influence of beliefs and religions, and to contribute to the cultural life and profile of the province. These two clusters, with a flexibility and breadth unequalled in Eastern Canada, are uniquely equipped to analyze social and cultural change.

European Union Centre of Excellence

Director: Ruben Zouoth
Phone: (902) 494-7558
Fax: (902) 494-1909
Email: euce@dal.ca
Website: <http://www.euce.dal.ca>

Established in 2006, the European Union Centre of Excellence (EUCE) seeks to promote greater awareness of the European Union (EU) in Canada. The Centre coordinates academic and public outreach activities such as exchanges of faculty and students, conferences, workshops, symposia, and other projects involving the Faculties of Arts and Social Sciences, Law, Management and Science. The Centre supports research in areas such as Canada and EU Arctic policy, transatlantic trade negotiations, migration policies in Europe, EU Copyright legislation, the EU and the economic crisis, public health policy in EU and Canada.

Global Health Office

Director: Shawna O'Hearn
Location: C-241, 5849 University Avenue
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-1965
Fax: (902) 494-2799
Email: gho@dal.ca
Website: <http://gho.medicine.dal.ca>

Working through an interprofessional lens, the Global Health Office is committed to training global health leaders who strengthen health systems for vulnerable populations in Canada and abroad. The office prepares students, residents and faculty doing clinical electives, training or research with our international partners as well as leads summer programs in Tanzania, Thailand and The Gambia.

- Events focusing on relevant and timely global health issues are organized through the office including journal clubs, speaker series, conferences.
- Opportunities to become involved in research and mentorship.
- A certificate in “Advocates in Global Health”.
- Annual awards are presented to a student, resident and faculty member who demonstrate leadership in global health
- Partnerships with organizations strengthen the global reach including CSIH (Canadian Society for International Health), CCGHR (Canadian Coalition for Global Health Research), National Network on MNCH (Maternal, Newborn and Child Health), ACIC (Atlantic Council for International Cooperation), GHEC (Global Health Education Consortium), and International Centre (Dalhousie)

Health Law Institute

Director: Constance MacIntosh, BA, MA, LLB
Location: Dalhousie University
6061 University Avenue
PO Box 15000
Halifax, NS B3H 4R2
Phone: 902 494-6881
Email: 902 494-6879
Email: hli@dal.ca
Website: <http://www.dal.ca/hli>

An Interdisciplinary Institute of the Faculties of Law, Medicine, Health Professions, and Dentistry, the Institute is committed to the advancement of health law and policy and the improvement of health care practice and health systems through scholarly analysis, professional education, and public service. Its objectives are:

1. To foster strong and innovative health law and policy scholarship by:
 - cultivating interdisciplinary health law and policy research networks
 - engaging in principled analysis of both recognized and emerging areas of health law and policy
 - enabling knowledge transfer
2. To advance health law and policy education by:
 - designing and implementing education programs for law, medicine, health professions and dentistry students
 - providing continuing education opportunities for health professionals and legal practitioners
3. To serve the public in our areas of expertise by:
 - contributing to the societal understanding of health law and policy issues
 - providing expertise and consulting to organizations in the public sector
 - engaging in and supporting the policy-making process at local, regional, provincial, national and international levels.

Institute for Big Data Analytics at Dalhousie University

Director: Dr. Stan Matwin
Location: Goldberg Computer Science Building
6500 University Avenue
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-4320
Email: bigdata@cs.dal.ca
Website: <https://bigdata.cs.dal.ca>

Big data is not a single breakthrough invention, but rather a coming together and maturing of several technologies: huge, inexpensive data harvesting tools and databases, efficient, fast data analytics and data mining algorithms, the proliferation of user-friendly data visualization methods and the availability of affordable, massive and non-proprietary computing. Using these technologies in a knowledgeable way allows us to turn the masses of data that are created daily by businesses and government into an important asset that will result in better, more informed decisions. This could lead, for an example, to intelligent, personalized electric power pricing for consumers, to optimized port traffic management or to the discovery of interesting patterns of migrations in marine life.

The Institute for Big Data Analytics (Big Data @ Dal) acts as a catalyst and a container in which a number of Dalhousie researchers and internationally renowned experts in all of the above areas can work together on Big Data.

The Institute has three main goals. Firstly, we want to become an international hub of excellence in big data research - a place to which scientists will come to work on interesting problems, but also in search of interesting, real-life applications. Our second goal is to make the Institute very relevant to local industries in Nova Scotia, and in Canada. To achieve this goal, we want to focus - for example - on becoming a world leader in the analytics of marine data and all aspects relating to marine biology, fisheries and shipping. Thirdly, we will develop a focused and advanced training program that covers all aspects of big data, preparing our next generation of researchers and practitioners for this important field of study.

Institute for Research in Materials (IRM)

Director: Richard A. Dunlap, PhD
Administrative Offices: 6414 Coburg Road
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-6373
Fax: (902) 494-8016
Website: <http://irm.dal.ca>

Established in 2002, IRM is made up of over 100 faculty members in seven faculties (Science, Engineering, Dentistry, Medicine, Architecture and Planning, Management and Health Professions) and 17 departments. The goals of the Institute include advancing the collective interdisciplinary research efforts in materials science and engineering at Dalhousie University, facilitating interdisciplinary teaching in materials science within the existing discipline structure, and enhancing interactions between materials researchers at Dalhousie University with relevant government laboratories and industry, especially within the region. The Institute leads collaboration within the university on interdisciplinary applications to funding agencies for major equipment and research infrastructure, and collaborates with external organizations to pursue research opportunities.

All Dalhousie University faculty members carrying out research in the area of materials are eligible to be Members of IRM. Postdoctoral fellows and graduate students associated with these research groups are invited to become Associate Members of IRM.

In addition to equipment operated by individual members of the Institute, IRM has established (2003) the Facilities for Materials Characterization, an \$11 million suite of instruments managed by the Institute.

The equipment includes:

- High-field solid-state NMR spectrometer (managed jointly with the Nuclear Magnetic Resonance Research Resource)
- Scanning electron microscope
- Focused ion beam
- X-ray photoelectron spectrometer (XPS)
- Secondary ion mass spectrometer (SIMS)
- Ultra-high speed optical systems
- Physical property measurement system (PPMS)
- Scanning thermal microscope (SThM)
- Hot press
- Grindo Sonic
- High-speed motion recorder/analyzer
- FT-Raman spectrometer

These facilities are open to external users. Please contact IRM@dal.ca for details.

IRM offers an NSERC CREATE program called DREAMS (Dalhousie Research in Energy, Advanced Materials and Sustainability). Students accepted into the program carry out collaborative interdisciplinary research in world-leading laboratories with innovative new courses and direct experience working with industrial partners. DREAMS scholarships are available to graduate students in Chemistry, Physics and Mechanical Engineering. See DREAMS website for details at DREAMS.irm.dal.ca

Law and Technology Institute

Director: Robert J. Currie, BA, MA, LLB, LLM
Associate Director: Steve Coughlan, BA, MA, LLB, PhD
Location: Schulich School of Law
6061 University Avenue
PO Box 15000
Halifax, NS B3H 4R2
Phone: 902 494-1469
Fax: 902 494-1316
Email: lynda.corkum@dal.ca
Website: www.dal.ca/faculty/law/LATL.html

The Law and Technology Institute was established at the Schulich School of Dalhousie in 2001 to provide teaching, research, and continuing education on technology law issues to students, faculty members, and the practicing Bar. The Institute participates, with the faculties of Computer Science and Management, in Dalhousie's Master of Electronic Commerce Program, and has been involved in collaborative projects with the private sector and governments on information technology issues. Also, in conjunction with Dalhousie's Industry Liaison and Innovation Office, the Institute sometimes offers a student placement program in intellectual property and commercialization. Its faculty members provide graduate supervision to students interested in the developing field of technology law, and are active in law and technology organizations, such as IT.Can and the International Society for Law and Technology. Faculty members of the institute are writers of the English edition of IT.Can bi-weekly newsletter. The Institute hosts an Eminent Speakers Series, which brings leading IT lawyers and academics to Dalhousie to share their expertise. The Institute is home to the Canadian Journal of Law and Technology, co-edited by Professors Currie and Coughlan. The CJLT is the pre-eminent technology law review in Canada.

Classes Offered:

- Law and Technology
- Internet and Media Law
- Privacy Law
- Intellectual Property Law
- Information Technology Transactions
- Entertainment Law
- Intellectual Property and Commercialization Placement
- Special Topics on Intellectual Property (IPII)
- Copyright Law
- Patent law

Students also have the opportunity to pursue specialized interests in fields such as criminal law, health law and alternate dispute resolution, as they relate to law and technology.

Marine & Environmental Law Institute

Location: Schulich School of Law
6061 University Avenue
PO Box 15000
Halifax, NS B3H 4R2
Phone: 902 494-1988
Fax: 902 494-1316
Email: MELAW@dal.ca
Website: <http://www.dal.ca/law/MELAW>

The Institute, which is housed in the Law School, carries out research capacity-building and consultancy activities and also directs the MELP academic specialization. MELAW provides a specialization in marine and/or environmental law to JD students. In addition to their scholarly research and publication activities, MELAW faculty, associates and staff carry out research projects and provide advisory services to agencies of the United Nations, international non-governmental organizations, and regional organizations as well as assisting government departments, private sector institutions and non-governmental organizations in Canada and overseas.

The Marine & Environmental Law Institute is also the editorial office of the Ocean Yearbook and the Journal of Environmental Law and Practice (JELP). The Ocean Yearbook is a major international interdisciplinary annual, devoted to ocean affairs published in collaboration with the International Ocean Institute in Malta. Dalhousie law students have the chance to gain experience working as research assistants on the Institute's research projects and workshops, and assisting with editing the Ocean Yearbook. JELP is the leading environmental law journal for practitioners and academics in Canada.

MELAW supports student collaboration in addressing environmental issues through the Environmental Law Students Society and the East Coast Environmental Law Association, a non-governmental organization dedicated to environmental law education and advocacy. MELAW encourages interdisciplinary collaborations within the Dalhousie community including the School for Resource and Environmental Studies (SRES), the College of Sustainability, the Marine Affairs Program (MAP), the International Development Studies (IDS) Program, the Centre for Foreign Policy Studies, the Ocean Tracking Network (OTN) led by the Department of Oceanography and the recently established Institute for Ocean Research Enterprise (IORE). MELAW also promotes national collaborations, for example, through the Ocean Management Research Network (OMRN). International linkages include among others, the Global Forum on Oceans, Coasts and Islands and the IUCN Academy of Environmental Law as well as numerous sister institutions in Asia, Caribbean, Europe, South America and the United States.

Minerals Engineering Centre

Director: Josh Leon, PhD, PEng
Location: G Building, Sexton Campus
1360 Barrington Street
PO Box 15000
Halifax, NS B3H 4R2
Phone: (902) 494-3955
Fax: (902) 494-3506
Email: mec@dal.ca
Website: <http://minerals.engineering.dal.ca>

The Minerals Engineering Centre was established from the Laboratory for the Investigation of Minerals. The Minerals Engineering Centre provides research, analytical and advisory services to industries, universities, and government bodies in Atlantic Canada, Canada and International. The Centre is located in G Building on Sexton Campus and is affiliated with the Materials Engineering program. The services offered include:

- Sample preparation of ores, soils, silts, rocks, cores, clay fraction and wood pellets
- Size analysis, including screening, sieving, and sub-sieve analysis
- Minerals separation using dense liquids
- Physical and chemical analytical methods using atomic adsorption, XRD, ICP-OES, AA, x-ray fluorescence spectographic, wet chemical techniques and carboy/sulphur analysis
- Analysis of samples including geological, metalliferous ores, industrial minerals, coals, metals, alloys and water
- Mineral processing test work covering the whole range of investigative techniques from bench scale to pilot plant, including crushing, grinding, classification, gravity separation, dense medium separation, magnetic separation, electrostatic separation, flotation, flocculation, thickening, filtration, and drying
- Evaluation of biomass fuels calorific value of raw material and wood pellet.

The Minerals Engineering Centre provides opportunities for undergraduate and graduate students to learn various analytical and testing techniques applicable in their course of studies. It also offers services to faculty members to assist in their teaching and research activities.

Further information may be obtained from the Director of the Centre.

Norman Newman Centre for Entrepreneurship

Director: Ed Leach, BComm (Dalhousie), MBA (Ivey), PhD (Nova Southeastern)
Coordinator: Paulette Dun
Entrepreneur in Residence: Brian Lowe
Lead Researcher: Mary Kilfoil
Phone: (902) 494-6975
Website: <http://entrepreneurship.dal.ca>

The mission of Norman Newman Centre for Entrepreneurship (NNCE) is "To build a vibrant entrepreneurial culture among students, faculty and the community at large that embraces innovation in creating value for society led by leaders who manage with integrity, focus on sustainability and make things happen."

This will be accomplished by:

- Supporting the academic programs and courses taught within the Rowe School of Business

- Supporting the entrepreneurial community.
- Providing opportunities for Dalhousie students to work with the entrepreneurial community.
- Facilitating the incubation of student business ideas.

The NNCE is attached to the Rowe School of Business, within the Faculty of Management, Dalhousie University. NNCE promotes entrepreneurship in its many forms, through innovative curriculum, applied research and collaborative extension work (outreach). Our definition of entrepreneurship is broad and includes the development or growth of enterprises for profit, for social benefit and for sustainability. Our research is field-based and involves working with real ventures, on real projects, using state-of-the-art methodologies. Our extension work is multi-disciplinary and ranges from internships with entrepreneurs to collaborations with other faculties throughout the university.

All of our programs are designed to enhance the student's entrepreneurial knowledge, skills, and networks. In addition to supporting technology and technical start-ups through mentoring, coaching and training efforts, the NNCE will provide mentoring, coaching and training to entrepreneurial students, create exemplars of technology and technical entrepreneurship through research projects and further expand the relationship with the business community.

Nuclear Magnetic Resonance Research Resource (NMR3)

Director: J. K. Rainey, BSc, MSc, PhD
 Facility Coordinator: M. D. Lumsden, BSc, PhD
 Solid-state NMR Coordinator: U. Werner-Zwanziger, BSc, PhD

Established in 1982 with assistance from the Natural Sciences and Engineering Research Council, the Resource is located in the Department of Chemistry and is used by faculty, researchers and graduate students in all Maritime universities, the NRC, local industry and many Dalhousie Departments. It is concerned with applications of magnetic resonance spectroscopy to problems in chemistry, materials science, biology, biochemistry and related areas. Its current instrumentation includes Bruker, Avance 300 and Avance 500 NMR spectrometers for liquids and Bruker Avance DSX 400 and Avance 700 NMR spectrometers for solids. NMR³ users also have direct access to a Bruker Avance III 700 NMR spectrometer with cryoprobe capabilities for liquids experiments. The Avance 500 and Avance 700 NMR spectrometers were installed in 2003 with funding from NSERC, the Canadian Foundation for Innovation and the Atlantic Innovation Fund. The cryoprobes on the Avance III 700 were purchased in 2009 by Dalhousie University through an Atlantic Canada Opportunities Agency Grant. The Resource offers facilities for hands-on use by researchers and also provides NMR spectra and expertise to scientists throughout the Atlantic Region and beyond.

For more information see: <http://nmr3.chemistry.dal.ca>.

Trace Analysis Research Centre

Director: A. Doucette, BSc, PhD

The Trace Analysis Research Centre (TARC) was established in 1971 with the assistance of a grant from the National Research Council. Its mission is to train analytical chemists and, through research, to contribute to the advancement of analytical chemistry. Members of TARC from Dalhousie and associated institutions comprise a group with expertise in a wide range of chemical analysis techniques in areas such as spectroscopy, chromatography, mass spectrometry, electrochemistry, and nuclear analytical chemistry.

Resources and Services

Advising and Access Services Centre (AASC)

Our academic advising team provides advising, academic planning and personal coaching to current Dalhousie University students. The Advising and Access Services Centre is also Dalhousie's focal point for expertise on student accessibility and accommodation. As part of our ongoing efforts to facilitate a successful transition to and throughout your university experience, we offer several points of contact for students, including: summer transitions/orientation programs; **ABLE @ Dal** - a workshop exclusively for students with disabilities; and one-on-one advising appointments. Our programs are delivered through a "coaching as advising" model to help students develop strategies for academic success from first-year to graduation.

We help you build on your ability to make decisions that positively impact your academic and career success. We promote the Learn Well @ Dal philosophy by providing accessible and thorough advising and coaching for students accessing our services.

Early consultation is encouraged to ensure appropriate planning for any of your needs that may include accommodations. AASC advisors meet with you to determine areas to facilitate your success, and if accommodations are required, we ensure those accommodations are put into place by working with your course instructors.

For further information, please visit our website www.dal.ca/learnwell, call (902) 494-3077 or email access@dal.ca.

Alumni Association/Alumni Relations

The Alumni Association is comprised of over 110,000 graduates of Dalhousie University. A global network of volunteers keeps alumni informed and involved with the university. By providing many programs and services, the Association fosters a strong relationship between Dalhousie and its alumni.

Dalhousie alumni play a vital role in the health and future of the university. Many alumni return to Dalhousie regularly to hire graduating students. They also serve as advocates, ambassadors and student mentors. The financial support provided by our alumni helps ensure that Dalhousie will continue to provide exceptional post-secondary education to future generations.

The Alumni Association's Board of Directors works with the Dalhousie Alumni Relations Office, located in the Macdonald Building (902 494-8801/1-800-565-9969/alumni@dal.ca). Together, the Association and Alumni Relations strive to identify opportunities for alumni involvement, and to foster an environment that invites alumni to participate fully in Dalhousie's well-being. Visit the website at www.dal.ca/alumni.

Athletics and Recreational Services

Dalhousie offers a wide array of programs, facilities and services to suit the diverse sport, recreation and wellness needs of our students. Located on the Studley Campus, Dalplex is the university's primary fitness centre. Dalplex membership is included in full-time student fees, so students can simply bring their DalCard and swipe it in the turnstile for access to: the Cardio Plus Centre; two climbing facilities; two weight rooms; more than 35 weekly fitness classes; an eight-lane, 50m indoor pool; a 1/6-mile indoor track; drop-in times for recreational basketball and volleyball; racquet courts; an outdoor tennis and beach volleyball court; and the Fun Zone play area for children. The F. H. Sexton Memorial Gymnasium includes a fitness centre, a gym with hardwood courts, group fitness classes, two squash courts, and change rooms with lockers for easy access for students on the Sexton Campus. The Langille Athletic Centre is the sport and recreation facility for students on the Agricultural Campus.

Athletics and Recreational Services also offers many climbing, fitness, and outdoor recreation programs, classes, and trips each term, along with a broad range of intramural leagues and tournaments. Intramural sports are fun, free and an excellent way to meet other students. Sports offered include soccer, flag football and hockey in the fall, to curling, basketball and inner tube water polo in the winter term-and that's just the tip of the iceberg! Dal offers you the opportunity to take part in more than 20 different recreational and competitive sports clubs, which are organized and run by students. The Rams varsity program represents the Agricultural Campus, offering competitive teams in badminton, basketball, women's rugby, soccer, women's volleyball, and woodsmen. The Tigers varsity program on the Halifax campuses consists of 14 teams (men's and women's basketball, cross country, hockey, soccer, swimming, track and field, and volleyball) that compete regionally in the Atlantic University Sport (AUS) conference and nationally in Canadian Interuniversity Sport (CIS). For more information about sport, fitness and recreation opportunities at Dalhousie visit www.athletics.dal.ca.

Black Student Advising Centre (BSAC)

The Centre strives to foster a sense of community among ALL students, especially those who are of black/African descent. The BSAC hosts programs such as peer and professional mentorship, in-house tutoring and writing support as well as events to promote intercultural awareness. Providing confidential counselling services, personal and community support, advocacy, and relevant resource materials are a few of the roles of the BSAC advisor. The advisor also provides information about scholarships, bursaries and employment, and makes referrals to additional resources for student success. The BSAC includes a study space, a small computer lab and a lounge. For more information, drop by the Centre on the second floor of 1321 Edward Street, contact us at (902) 494-6648 or bsac@dal.ca or visit us online at

Career and Leadership Development Centre (CLDC)

The Career and Leadership Development Centre (CLDC) assists you in:

- exploring a full range of career and work possibilities that match your career goals;
- preparing job-search documents to present yourself effectively as a candidate for employment;
- obtaining information on employment opportunities and prospective employers;
- connecting with career opportunities through campus interviews, job and volunteer listings, referrals, direct application, networking, job search events, publications, and/or information technology; and
- developing and maintaining relationships with organizations that provide career development and employment opportunities for you.

The Co-Curricular Record (CCR) is a document that officially recognizes your accomplishments and experiential learning outside the classroom. The CCR program is available to all Dalhousie students and acknowledges your accomplishments in leadership, campus and community engagement, course-related service learning or experiential learning, awards and recognition, and training and development. Visit <http://www.dal.ca/ccr> for more information.

The CLDC also runs the free DALConnects leadership certificate program for students interested in building stronger connections with their community and learning about leadership through volunteering. Participants are paired with community organizations for volunteer opportunities and attend various workshops on leadership. Visit <http://www.dal.ca/dalconnects> for more information.

Drop by the CLDC on the fourth floor of the Student Union Building in Halifax or in the Dairy Building on the Agricultural Campus, or visit us online at <http://www.dal.ca/cldc> for more information on programs and services.

Centre for Learning and Teaching

The Centre for Learning and Teaching (CLT) works in partnership with the Provost's office, academic units, faculty members, and graduate students to enhance the practice and scholarship of learning and teaching at Dalhousie University. CLT takes an evidence-based approach to advocating for effective learning and teaching practices, curriculum planning, services to support the use of technology in education, and institutional policies and infrastructure to enhance the Dalhousie learning environment. For further information, teaching resources, or a confidential consultation, you are invited to contact the Centre for Learning and Teaching, located at Suite G90, Killam Library, 6225 University Avenue, (902) 494-1622, CLT@dal.ca, or you can visit the CLT website at: www.learningandteaching.dal.ca

Programming: Workshop series, presentations, discussion groups, and demonstrations are scheduled to address the full spectrum of educational issues, including curriculum design, evaluation of student learning, teaching and learning strategies, e-learning and the effective integration of classroom technology.

Confidential Consultations: Educational developers at CLT provide confidential consultation services to teaching assistants, faculty, and administrators on a wide range of learning and teaching issues.

Annual Events: On an annual basis, CLT coordinates New Academic Staff Orientation, TA Day, Teaching Dossier Workshops, and the Dalhousie Conference on University Teaching and Learning that brings together presenters from across the University and the country to explore issues related to specific themes.

Classroom Planning: CLT offers expertise and support to the university in the areas of classroom design, media production, presentation technology, and technical services:

- Video and Audio Production Services offers a full range of creative and production services for educational or other academic purposes.
- Technical Services provides expert advice on the design and installation of classroom technology systems, system programming, video conferencing and system repairs.

Teaching Awards: CLT administers several university-wide teaching awards, including the Dalhousie Alumni Association Award of Excellence for Teaching, Early Career Faculty Award of Excellence for Teaching, Contract and Sessional Instructor Award of Excellence for Teaching, President's Graduate Student Teaching Award, Educational Leadership Award for Collaborative Teaching, Academic Innovation Award, Award for Excellence in Education for Diversity, and the Award for Excellence in Graduate Supervision.

Certificate in University Teaching and Learning: The Certificate program is offered to graduate students by the CLT in partnership with the Faculty of Graduate Studies. The purpose of the program is to assist academic departments in preparing students for their teaching responsibilities and to enhance their professional development opportunities for both academic and non-academic careers.

Student Ratings of Instruction (SRI): Higher education institutions in Canada and abroad encourage faculty to use teaching evaluations to rate their teaching for effectiveness. The CLT is responsible for the administration of the university-wide Student Ratings of Instruction. The ratings are administered online towards the end of each term. Quantitative and qualitative data are collected and the opportunity for departments and individual instructors to add questions to the form is available. Students may access the results of the universal questions, Part A of the form, when instructors consent to release the results of their own course(s).

Grants: CLT offers a number of Teaching and Learning Grants each year for instructors to develop and evaluate new teaching methods, curriculum innovation, and teaching with technology opportunities. The Centre also organizes the Change One Thing Challenge award, inviting instructors to submit their student engagement ideas that they have implemented into their teaching. The CLT Travel grants provide financial assistance to faculty members to travel to a teaching and learning conference.

Publications: The CLT newsletter, Focus on University Teaching and Learning, is published three times a year and is available online on the CLT website (www.learningandteaching.dal.ca). CLT's lending library provides resources on topics related to teaching. CLT's LibGuide of links to electronic sources can be found at: <http://dal.ca/libguides.com/clt>

eLearning: The eLearning team with CLT offers eLearning advice and support to the Dalhousie community. With two experienced instructional designers, the eLearning team is available to offer guidance with both online and blended/hybrid course initiatives.

Counselling Services

As a student you'll find that most of the time you can deal with the everyday issues that pop up while attending university. But life can sometimes challenge you in unexpected ways. And when it does, Dalhousie Counselling Services can help. We can help you resolve problems and learn new skills in a confidential, supportive environment. Also, if you are struggling with your classes or assignments and suspect you may have a learning disability, staff in Counselling can pre-screen for learning disabilities, attention-deficit hyperactivity disorder (ADHD) and/or Asperger's disorder, and can suggest various learning strategies that you may find helpful. Career Counselling is a confidential and collaborative process we offer, in which you work with a career counsellor who assists you in your educational and career decision-making.

Counselling is provided by professionally trained counsellors and psychologists and is available for individuals and on a group basis.

For information about the making an appointment, hours of operation or any of the other services, programs and events provided by Counselling Services, please visit us online at www.dal.ca/counselling.

If you have feelings of depression, anxiety or stress, but you're not in Halifax or are uncomfortable about sitting down one-on-one with a counsellor, you can register for SHIFT, an online self-help program at www.dal.ca/shift. It includes modules that you work through at your own pace, along with phone or email contact with a program coach.

Dal Allies/LGBTQ Support

At Dalhousie we encourage and support a respectful and inclusive campus community. Allies work with students, staff and faculty to offer programs, services, training, support, referrals and resources to members of the Dalhousie Rainbow community. For confidential discussions feel free to contact Dalhousie's Peer Ally (peerally@dal.ca). We can help, if you:

- question (or have questions about) sexuality or gender identity and need information
- need support in coming out
- need help dealing with issues you are experiencing on campus
- want to be yourself and not have to hide your identity when seeking services or support
- want to discuss issues without fear of judgment

Contact us dalally@dal.ca or visit us online at www.dal.ca/dalally for more information.

DalCard

The DalCard is your university identification card that has many uses on and off campus. It must be presented at officially scheduled examinations, to receive bursary or scholarship cheques and to use library facilities. It also functions as an access pass to Dalhousie athletic facilities including Dalplex, your meal hall pass with a meal plan and a door key to residence if you live on campus. Your DalCard can also be used as a debit card at the Bookstores, for printing and photocopying, for laundry in residence and at a variety of on and off campus vendors.

The DalCard Office is located at 6230 Coburg Road. Students on the Sexton campus may obtain their DalCard at the Student Service Center, B Building, 1360 Barrington Street.

On the Agricultural Campus students can obtain their DalCards at the Enrolment Services Center located in the Cox Institute, Room 100.

See dal.ca/dalcard for more information.

Dalhousie Arts Centre

Designed as a multipurpose facility, the Dalhousie Arts Centre is home to the Rebecca Cohn Auditorium, Dalhousie Art Gallery, and the Fountain School of Performing Arts. The Arts Centre is an integral part of the cultural experience in our community and stands as the only arts complex of its kind in Nova Scotia.

Of the numerous performing arts spaces in the Dalhousie Arts Centre, the Rebecca Cohn Auditorium is the most familiar and prestigious. The 1,040 seat concert hall is the home of Symphony Nova Scotia, as well as the venue of choice for a wide variety of performers ranging from Ballet Jorgen, Just For Laughs, Indigo Girls, Serena Ryder, and the Trews to name a few. Other performing and visual arts spaces in the Arts Centre include: The Sir James Dunn Theatre (194 seats), the David Mack Murray Theatre, the MacAloney Room, and the Art Gallery.

The Dalhousie Art Gallery offers the public access to national and international touring exhibitions and initiates many ambitious and exciting exhibition programs.

The Fountain School of Performing Arts maintains a full production schedule including student theatre and music productions, faculty recital series and weekly student noon-hour recitals. Further information on the Fountain School of Performing Arts can be found at dal.ca/performingarts.

Dalhousie Multifaith Centre

The Dalhousie Multifaith Centre strives to explore the fundamental issues and concerns of the world from a religious perspective in a setting that encourages open and free discussion, values the raising of questions and doubts, and appreciates divergent histories, attitudes, options, and values. A complete education addresses the whole person: body, mind, and spirit.

The Centre is a non-threatening space where students, staff, and faculty can address the basic questions of meaning and purpose in their lives - no matter what their faith, philosophy, or doubt may be.

For more information about the services and supports we offer, or to speak with a chaplain, drop by the Centre at 1321 Edward Street or visit us online at www.dal.ca/dmc.

Dalhousie Student Union

Every Dalhousie student is automatically a member of the Dalhousie Student Union. The Student Union is recognized by an agreement with the University Administration and by an Act of the Nova Scotia legislature as the single voice of Dalhousie students. All student activities on campus are organized through the Student Union, and the Student Union is the focus of all student representation. The business of the Student Union is conducted by a Council made up of 40 members. Every student is represented by one or more representatives of their faculty, elected within their faculty in the spring. As well, a number of other constituency groups are represented on the Council because they are uniquely affected by many campus issues. Also on the Council are the student representatives elected to the Senate and Board of Governors.

One of the most important resources of the Student Union is the Student Union Building (SUB) located at 6136 University Avenue between Seymour and LeMarchant Streets. The SUB, which is owned by the University and administered, managed and controlled by the Student Union and is paid for through Student Union fees, was opened in 1968 as a centre for student activity on campus. The Student Union Building provides a wide range of services for students including the Student Advocacy Service, Travel Cuts, The Grawood, Campus Copy, food services, and much more. Every student has the opportunity to take advantage of the Union's financial, physical and organizational resources. Students have an opportunity to become involved in committees dealing with various student issues. The DSU also offers over 175 clubs, societies and organizations for students to participate in. All students are invited to satisfy their curiosity by visiting the Student Union Council offices. The Student Council office is located on the second floor of the SUB in room 222 and is open from 8:30 am to 4:30 pm Monday through Friday, telephone number (902) 494-1106 or email dsu@dal.ca. Check out the website at www.dsu.ca, or my.dsu.ca.

Dalhousie Student Union Health and Dental Plan

The DSU Health and Dental Plan is provided to all full time students that begin their studies in the fall term. The fee for the DSU Health and Dental Plan is billed to each student's account and is compulsory unless the student has comparable private health insurance. If students have comparable coverage, they may be eligible to opt out of the DSU Health and Dental Plan during the appropriate opt out period. Please contact the DSU Health Plan Office for the opt out period dates.

All part-time, distance, co-op, and students who begin their studies in January are not automatically billed and enrolled for the DSU Health and Dental Plan and must manually opt in during the appropriate opt in period. Students are also eligible to add immediate family members to the plan during the opt in period by completing an application and paying an additional fee each year.

The DSU Health and Dental Plan Office is located in the basement of the Student Union Building at 6136 University Avenue. The Office is open Monday-Friday 9:30 am-4:30 pm. Should you need to contact the office please phone (902) 494-2850 or email dsuhealth@dal.ca. Visit the website for more information regarding coverage, opt out/in procedures and deadlines www.studentvip.ca/dsu.

Dalhousie Student Union International Health Plan

The DSU International Health Plan is provided to all international students. Please note that all co-op students are not billed and enrolled for the International Health Plan and must opt in should they wish to have coverage. The fee for the DSU International Health Plan is billed to each student's account and is compulsory unless the student has comparable private health insurance or MSI. If students have comparable coverage or MSI, they may be eligible to opt out (cancel) of the DSU International Health Plan during the appropriate opt out period. Please contact the DSU Health Plan Office for the opt out period dates.

Students are also eligible to add immediate family members to the plan when they arrive in Nova Scotia by completing an application and paying an additional fee.

The DSU Health and Dental Plan Office is located in the basement of the Student Union Building at 6136 University Avenue. The Office is open Monday-Friday 9:30 am-4:30 pm. Should you need to contact the office please phone (902) 494-2850 or email dsuhealth@dal.ca. More information regarding coverage, opt out/in procedures and deadlines is available at www.studentvip.ca/dsu.

Housing/Residence Services

The University is pleased to guarantee residence in University-owned properties for all new Dalhousie undergraduate students who complete the residence application process by June 30th. It's important that students planning to attend Dalhousie think well in advance about their accommodation needs.

Students should be aware of several important points of reference in regard to residence accommodation. Upon admission to a program of study, all students will receive university residence information. They will also be asked to pay an admission deposit. It's important to apply to residence (online) and to pay the admission deposit promptly as the dates these are received will determine when the Residence Application is considered. Residence applications will not be considered from individuals who have not gained admission to a program of study, or paid their admission deposit and residence application fee.

Students with disabilities are encouraged to contact the Residence Office at (902) 494-1054, or email: residence@dal.ca, for information and assistance. Students with disabilities are also encouraged to contact Advising and Access Services prior to moving into residence.

The traditional style residences at Dalhousie are chiefly for undergraduate students. All students living in traditional style residences are required to purchase one of the meal plan options available.

The information below gives a description of 1. traditional on-campus residences, 2. non-traditional on-campus residences, which includes apartment style housing owned by the university, 3. the services offered by the Off-Campus Housing office, and 4. general information. For information on residence fees, see the Fees section of the Calendar.

It is the responsibility of the individual student in all cases to make a separate online application to the university housing of her/his choice.

Traditional On-Campus Residence

Studley (Main) Campus

Howe Hall

Howe Hall is centrally located on Studley Campus and is the largest residence. Howe Hall is broken into six houses: Bronson House (1959), Cameron House (1967), Fountain House (2002), Henderson House (1964), Smith House (1958), Studley House (1967). Each house has its own identity and student government. The houses are all co-ed and feature a single and double (two single beds) rooms. Facilities include a 24-hour front desk, dining hall, television lounges, kitchenettes, a large multi-function study area/common lounge, laundry rooms, hockey equipment and bike storage room.

Shirreff Hall

Shirreff Hall provides accommodation to 440+ students. Located in a quiet corner of the campus, it is minutes from classes, the library, Dalplex and other facilities. Shirreff Hall is divided into four areas: the Annex, Newcombe House (female only), Old Eddy and New Eddy. Old Eddy and New Eddy have mostly single and double rooms while Newcombe and the Annex have single rooms only.

Shirreff Hall offers a dining room, an elegant library and visitors' lounge, study areas, games room, television lounges, kitchenettes, laundry room, and 24-hour front desk. ResNet (high speed Internet/wireless), *local telephone service and *cable TV service are provided within each room. Students also have access to a piano.

* These services are subject to change.

Residence Houses

Dalhousie also has two residence houses, which are co-ed. Formerly single family homes, each house has kitchen, living room and washroom facilities, which are shared among the residents in the house. The character of these homes has been maintained as much as possible.

These houses have only single rooms, each with a bed, wardrobe, study desk, lamp and chair. Linen, cooking utensils and small appliances are not provided. The Residence Houses are now part of the Mini-Residence community. All houses require meal plans, ResNet (high speed Internet), *local telephone service and *cable TV service are provided in each room.

* These services are subject to change.

Risley Hall

Risley Hall is located on LeMarchant Street, behind the Student Union Building, and offers 490 single rooms, primarily to undergraduate students. Services include a dining room, laundry rooms, television lounges, and a 24-hour front desk. Each room comes equipped with ResNet (high speed Internet/wireless), *local telephone service and *cable TV service.

* These services are subject to change.

Lyall House, DeMille House, Colpitt House

These properties, which were former faculty offices, have been converted into three mini-residences with a shared courtyard. There are a total of 49 single rooms in a co-ed living environment. Like Residence Houses, these houses have all single rooms. Each room comes with a bed, wardrobe, study desk, lamp and chair. Each house has a kitchenette, living room and washroom facilities, which are shared among the residents in the house. All houses require meal plans. Each room comes with ResNet (high speed internet/wireless), * local telephone service and *cable TV service.

LeMarchant Place

LeMarchant Place opened in the 2014/2015 Academic Year and is Dalhousie's newest residence.

The bottom two floors of LeMarchant Place are occupied by several student services, while the top five floors serve as a home for 326 students.

LeMarchant Place features a mix of two, three and four-bedroom suites. Single rooms sharing private bathrooms are available as well as accessible rooms. Each floor has a full communal kitchen, a lounge and a laundry room.

LeMarchant Place has wireless internet access throughout the building, as well as storage space for bicycles and hockey gear in the basement.

The residence space has its own secure lobby, separate from the other student services offices. Residents are able to collect their mail before getting onto one of two elevators dedicated specifically to the residence floors.

* These services are subject to change.

Sexton Campus

Gerard Hall

Gerard Hall is a 12-story traditional style co-ed residence that houses 241 students in single, super single, and double rooms. It is located in the heart of downtown Halifax on the corner of Morris and Queen Streets. Gerard Hall offers laundry facilities, a big screen TV, DVD player and satellite access in the main lounge. Within residence rooms, ResNet (high speed Internet/wireless),* local telephone service and *cable TV service are provided. Gerard Hall residents commonly use the O'Brien Hall dining hall, only seconds away, or may use the dining halls in Howe, Risley or Shirreff Halls.

* These services are subject to change.

O'Brien Hall

O'Brien Hall is a co-ed residence located in the heart of downtown Halifax. There are approximately 115 Dalhousie students residing in a combination of single and double rooms in O'Brien.

Facilities include a dining hall and laundry facilities. Within residence rooms, ResNet (high speed Internet/wireless), *local telephone service and *cable TV service are provided.

* These services are subject to change.

Agricultural Campus - Truro

Trueman, Fraser and Chapman Houses all offer co-ed living with the option of same sex and quiet sections. These three houses are conveniently located around Horseshoe Crescent, within a few minutes walk of classes, labs, meal hall, the library, the farm and our athletic center. Residence is a great place to meet new friends while developing a good study routine. Meal plans are mandatory. Each room is equipped with ResNet (high speed internet/wireless), *local phone and *cable TV service.

* These services are subject to change.

Fraser House

Fraser House accommodates 116 students in single, super single, and double rooms. Services include comfortable lobby area, TV/games lounge, quiet/study lounge, laundry room and kitchenette. Fraser House has a small all-male section.

Chapman House

Chapman House accommodates 123 students in single, super single, and double rooms. Services include comfortable lobby area, TV/games lounge, quiet/study lounge, laundry room and kitchenette.

Trueman House

Trueman House accommodates 73 students in single, super single and double rooms. It is the smallest house in the complex and tends to offer quieter atmosphere. Services include comfortable lobby area, TV/games lounge, two small quiet/study lounges and a laundry room.

Non-Traditional On-Campus Housing

Studley (Main) Campus

Glengary Apartments

Located on the Studley Campus on Edward Street, Glengary Apartments is a four-storey brick building offering co-ed accommodation for 40+ students.

Glengary has 12 furnished apartments. Each apartment includes a kitchen, living room and bathroom. There are also four furnished bachelor apartments, which are always in high demand. Laundry facilities are located in the basement, where there is also a limited amount of storage space. ResNet (high speed Internet/wireless), *local telephone and *cable TV service are provided in all apartments.

* These services are subject to change.

Meal Plans are not mandatory, but may be purchased for use at any dining hall on campus.

Sexton Campus

Graduate House

This residence is home to 13 returning students, normally in single rooms. It is located next door to O'Brien Hall and is a short walk from Gerard Hall on Morris Street. ResNet (high speed Internet/wireless), *local telephone service and *cable TV service are provided in each room.

* These services are subject to change.

Meal plans are not mandatory but may be purchased for use at any dining hall on campus including O'Brien Hall, which is next door.

Agricultural Campus - Truro

Trueman House Mature/Graduate Unit

Located on the ground level in Trueman House, this unit accommodates 12 students in single and super single rooms. Services include a fully equipped kitchen, tv lounge and laundry room (shared with all students living in Trueman House). Each room is equipped with ResNet (high speed internet/wireless), local phone and cable tv service. A meal plan is not mandatory

Living Off-Campus

Dalhousie's Off-Campus Housing has a website dal.ca/och. The site features a wide variety of housing resources available for students on both the Halifax and Truro campuses.

There is an Off-Campus Housing office for the Halifax campuses located in Risley Hall and offers help to students in finding off-campus accommodations.

The Off-Campus Housing office provides centralized information on available housing in the Halifax metro area including apartments, shared accommodations, rooms, condos and houses. Telephones for calling landlords and material such as maps and transit schedules are available at the office.

Based on the relatively low vacancy rate in Halifax, it is advised that students start looking for off-campus housing well ahead of the academic year.

General Information

A non-refundable \$50 fee is payable when applying for residence. Please note that you will not be able to submit an application without paying the \$50 non-refundable deposit.

All new Dalhousie undergraduate students are guaranteed a place in residence if they complete the residence application process by June 30th.

For further information on living at Dalhousie, do not hesitate to contact:

The Residence Office

Halifax location: 6230 Coburg Road
Dalhousie University
PO Box 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-1054
Email: residence@dal.ca
Website: dal.ca/residence

Truro location: 10 Horseshoe Crescent
PO Box 550
Truro, NS B2N 5E3
Telephone: (902) 893-7519
Fax: (902) 893-4258
Email: resdalac@dal.ca

Off-Campus Housing

Location: Risley Hall, Room 1024
1233 LeMarchant Street
PO Box 15000
Halifax, NS B3H 4R2
Telephone: (902) 494-2429

Email: och@dal.ca
Website: dal.ca/och

Information Technology Services (ITS)

Information Technology Services (ITS) empowers the success of students, faculty and staff through an overall focus on service, advising and consulting. ITS supports university instructional, research and administrative requirements. The department is responsible for all centrally managed computing, networking and telecommunications facilities including university email, My.Dal, the central information system (Banner), online learning systems, wired and wireless network connections and student computer labs.

Need help with a technical problem? Visit one of three Help Desks located on the Halifax campus, or our Help Desk at the Dalhousie Agricultural Campus in Truro.

With a range of new and emerging technologies, ITS staff will help you explore options to make the most of your experience at Dalhousie. See www.its.dal.ca for more information.

International Centre

The International Centre (IC) is committed to welcoming, supporting and serving the needs of new and continuing international degree-seeking and exchange students at Dalhousie. Advisors are available to meet with you on a variety of matters including finances, immigration, exchange opportunities, health insurance and personal issues. Referrals are made to other resources and services on campus when necessary. The IC organizes orientation activities that assist international and exchange students in adjusting to a new culture and in achieving their educational and personal goals. A variety of social, cultural and information programs are held throughout the year. During the fall and winter terms, an international student advisor is also available to meet, by appointment, at the Student Service Centre (Sexton Campus) at 1360 Barrington Street. Agriculture students may contact the International Student Coordinator on the Truro Campus at (902) 893-6905.

Student exchange and study-abroad services are facilitated by the Study Abroad and Exchange advisors at the IC. This branch of the office promotes student mobility by assisting departments and faculties with: the establishment of student exchange agreements; managing university-wide exchange programs; advising students on international study, work and volunteer opportunities; providing pre-departure and re-entry services; administering the Study Work International Fund (SWIF) and the George Burris Study in England Bursary; and maintaining the International Opportunities Resource Library.

Contact us at International.Centre@dal.ca or (902) 494-1566, visit us online at www.dal.ca/international, or drop by the Centre at 1246 LeMarchant Street.

Libraries

The Dalhousie University Libraries accommodate the needs of the undergraduate teaching programs, graduate and faculty research projects, and professional schools. The Dalhousie Libraries are: the Killam Memorial Library – Humanities, Social Sciences, Management, Computer Science, and Science; the Sir James Dunn Law Library, the Kellogg Health Sciences Library; the MacRae Library – Agriculture, and the Sexton Design and Technology Library – Engineering, and Architecture and Planning, as well as the University Archives and Geographical Information Sciences Centre (both located in the Killam Memorial Library).

Staff in all five libraries provide reference and research services. Access to materials outside of the Dalhousie Libraries is available through the Document Delivery Service. The libraries manage DalSpace, an institutional repository where many of Dalhousie's researchers' publications can be found. The libraries also use Open Journal Systems (OJS) software and provide digital publishing services to the university community.

All of the libraries have public access computers and WiFi. Most of the libraries have bookable study rooms for groups as well as individual carrels for private study.

The website libraries.dal.ca provides access to collections, databases, subject guides and other services. The Dalhousie Libraries also has a Copyright Office that provides guidance to students, faculty, and staff on copyright issues. The Killam and Sexton Libraries have Help Desks that offer general computer and software support, and 3D printing.

The Dalhousie Libraries are a member of Novanet, a network of all Nova Scotian university and college libraries, sharing a single automated online catalogue of the holdings of the member libraries. Users borrow from Novanet libraries upon presentation of their university ID card.

Mature Student Services

Applicants who are Canadian Citizens or permanent residents and 21 years of age or older, by the first day of classes, and are not eligible for admission on the basis of regular admission requirements, may apply for admission as a mature applicant. In order to be eligible, the applicant must either have no university-level study, or have attempted less than one year of transferable classwork. The student cannot have been in full-time university-level study for a minimum period of two years.

Applicants must provide a completed application for admission, high school or post-secondary transcripts, any other relevant documents (e.g. SAT scores, if available), and a letter outlining life and work experiences since last attending full-time study. Applicants will be expected to clearly outline their education goals and motivation to succeed at university study. All factors will be considered in the admission decision.

Admission under this policy is restricted to first year of undergraduate programs. Applicants must have completed grade 12 English (or equivalent) with a minimum grade of 65. Admission to some programs will require completion of other required subjects.

A student admitted on this basis may be restricted in the number of classes he/she can register in during the first year. Otherwise, these students have the same rights, privileges and responsibilities as other students within their program.

Services include pre-admission counselling and university preparation classes such as Writing Skills for Academic Study, Chemistry, Physics, Academic Math and Pre-Calculus. For more information call (902) 494-2375 or visit <http://collegeofcontinuinged.dal.ca>.

Native Post-Secondary Education Counselling Unit

The Native Post- Secondary Education Counselling Unit is open to students of First Nations descent. We can help you form support networks in your studies, and we also host social activities, cultural events and information sessions. Visit our Halifax office (6286 South Street, 2nd floor) to enjoy some coffee or tea, take advantage of advising with the Native Post-Secondary Liaison, and meet other Native students, or contact us by phone at (902) 494-8863. In Truro, Agriculture students can contact the Special Cohort Coordinator at havery@dal.ca. Visit www.dal.ca/native for more information.

Office of Human Rights, Equity & Harassment Prevention

The overall mandate of the Office of Human Rights, Equity & Harassment Prevention is to foster and support an inclusive working and learning environment where all members of the University community share responsibility for establishing and maintaining a climate of respect.

The Office is responsible for administering a number of University policies including: the Accommodation Policy; the Employment Equity Through Affirmative Action Policy; complaints based on the Statement on Prohibited Discrimination; the Personal Harassment Policy; and the Sexual Harassment Policy. The Human Rights & Equity Advisor and the Advisor, Harassment Prevention/Conflict Management also liaise with the Office of the Vice-President, Student Services, regarding the Code of Student Conduct.

Other initiatives in the Office of Human Rights, Equity & Harassment Prevention include education and training on topics such as diversity, accommodation, harassment awareness and prevention, conflict resolution and more. Workshops are offered regularly for students, faculty and staff.

The website for the Office of Human Rights, Equity & Harassment Prevention offers downloadable versions of each of the policies, information on the education and training opportunities offered, and additional resources including an annual Mosaic Calendar featuring a variety of religious and cultural holidays.

Contact: Lisa DeLong, Advisor, Human Rights & Equity (902) 494-2704
Advisor, Harassment Prevention/Conflict Management (902) 494-1137
Phone: (902) 494-6672 (office line)
Fax: (902) 494-1179
Email: hrehp@dal.ca
Website: www.hrehp.dal.ca

Registrar's Office

The Registrar's Office is responsible for high school liaison, admissions, awards and financial aid, registration, maintenance of student records, scheduling and coordinating formal examinations, and convocation. Of greater significance to students, however, is the role played by members of the staff who provide information, advice, and assistance. They offer advice on admissions, academic regulations and appeals, financial aid and budgeting and the selection of programs. In addition, they are prepared to help students who are not quite sure what sort of assistance they are looking for, referring them as appropriate to departments for advice about specific major and honours programs or to the office of Student Services or to specific service areas such as the Counselling Services Centre.

Students can access the services of the Registrar's Office at three locations. The main office is located in Room 133 of the Henry Hicks Academic Administration Building on the Studley Campus. Students attending classes on the Sexton or Agricultural Campus can also access Registrar's Office services in Building B (Student Service Centre), Sexton Campus or Cox Institute (Enrolment Services Centre), Agricultural Campus.

Enquiries may be directed to:
The Registrar, Dalhousie University
PO Box 15000
Halifax, NS Canada B3H 4R2
Telephone: (902) 494-2450
Fax: (902) 494-1630
Email: admissions@dal.ca

South House

A DSU service and Halifax's only full-time women's centre. A volunteer-driven, student-funded, gender-inclusive safe space for all members of the Dalhousie community. South House is a trans- and queer-positive, wheelchair-accessible space that offers a resource centre, library, and free meeting space for woman-positive and anti-oppression organizing and gathering. Visit us online at www.dalwomenscentre.ca or drop by the Centre on the first floor of 6286 South Street.

Student Advocacy Service

The Dalhousie Student Advocacy Service helps ensure that students receive fair and reasonable decisions on issues dealing with academic appeal and discipline matters. Our volunteer advocates advise students about their case, help them draft and edit any written submissions, prepare them for hearings and formal appeals, and provide support through the process and articulates matters of importance during the oral hearing. This year-round service is confidential and operated entirely by students. Contact us at the Student Union Building (Room 310), by phone at (902) 494-2205 or visit us online at www.dsu.ca.

Student Clubs and Organizations

Extracurricular activities and organizations at Dalhousie are as varied as the students who take part in them. Organizations range from small informal groups to large well organized ones; they can be residence-based, within faculties, or university wide and interest based. Some are decades old with long traditions, others arise and disappear as students interests change. A list of clubs, societies and organizations is available every fall to new students who are encouraged to select and participate, this list can be found at <http://tigersociety.dsu.ca>. If there is not a society that meets your interests, the Dalhousie Student Union encourages and will help you to make your own. For more information on DSU societies please contact the society coordinator at society.coordinator@dal.ca or by telephone at (902) 494-1106 or visit www.dsu.ca.

Student Dispute Resolution

Dalhousie's Office of Student Dispute Resolution works with students, community and campus partners to help resolve disputes in a restorative and respectful manner. Referrals come from Campus Security, Code of Conduct Complaints, Halifax Regional Police and the Crown Prosecutors Office (as part of the Dalhousie Restorative Justice Pilot Project) and from Residence Life Managers. Following the principles of respect, responsibility and community, we work with groups to help restore relationships and find satisfactory resolutions. Visit us online to find out more about the resources available through the Student Dispute Resolution office at www.dal.ca/think.

Student Health Promotion

Located on the second floor of 1246 LeMarchant Street, Student Health Promotion staff and volunteers can give you unbiased advice and information to help you live a healthier lifestyle. Find out more about quitting smoking, rethinking your alcohol and substance use, managing your stress, increasing your personal fitness, coping with eating disorders and many other areas of student wellness by contacting us by phone at (902) 494-6830 or visit us online at www.dal.ca/studenthealth.

Student Health Services

The University operates a medical clinic on the second floor of 1246 LeMarchant Street staffed by family doctors and nurses. Further specialists' services are available and will be arranged through Health Services when required. Student information collected by Health Services is completely confidential and may not be released without signed permission of the student.

Appointments are made during the clinic's open hours, from 8:30 am to 10 pm, Monday to Friday, and 11 am to 5 pm, Saturday and Sunday, by calling (902) 494-2171. In the event of an urgent medical problem, students may seek medical advice during clinic hours. After hours, students should seek assessment by calling 811 to speak to a registered nurse, or visit the local emergency room. The QEII emergency room on Summer Street is the closest emergency room for students on the Halifax campus. For students in Truro, the clinic accepts walk-in patients and appointments. For details on the hours the services are offered, please visit Health Services online via www.dal.ca/agstudentservices. Any student who has had a serious illness within the last 12 months, or who has a chronic medical condition, may wish to contact and advise Health Services; preferably with a statement from the doctor.

All students must have medical and hospital coverage. All Nova Scotia students are covered by the Nova Scotia Medical Services Insurance. All other Canadian students must maintain coverage from their home provinces. This is especially important for residents of any province requiring payment of premiums. All non-Canadian students must be covered by medical and hospital insurance prior to registration. Details of suitable insurance may be obtained from the Student Accounts office prior to registration. Further information is available online at www.dal.ca/healthservices.

Student Services

The Vice-President, Student Services (VPSS), is Dalhousie University's chief officer of student affairs. Working with an integrated team of specialists across campus, the office of the VPSS coordinates programs and delivers services in support of students' academic achievement, personal and professional development and

community engagement.

Our efforts to enrich the Dalhousie student experience are focused in four key areas: Learning Connections; Community Connections; Wellness Connections; and Leadership and Career Connections. Within each area, professionally trained staff, counsellors and advisors are available to assist you at every step of your journey here at Dal, providing information, resources, programs and services that are tailored to your individual needs and consistent with your educational and life goals.

Studying for Success (SFS)

Our primary goal is to assist you in becoming a more efficient and effective learner. Studying for Success offers workshops to small groups of students to develop or enhance personal learning strategies and, when applicable, workshops are customized to focus on particular disciplines or fields of study ensuring that the workshop content is relevant to your needs.

Topics regularly covered include time management, getting the most from lectures, critical reading, problem-solving, preparing for and writing exams. Study Skills coaches offer personal coaching either by appointment or on a drop-in basis during regularly scheduled hours, and will refer students to other academic resources when appropriate. For further information, drop by our office at the Killam Library, call (902) 494-3077 to book an appointment or (902) 494-2468 to speak with the SFS coordinator, or visit us online at www.dal.ca/sfs.

University Bookstore

Dalhousie's Bookstores are all owned and operated by the university and service the needs of students, faculty, staff and the larger community surrounding Dalhousie.

The Bookstore offers school supplies and course materials in new, used and custom textbook format as well as digital and rental. In addition, the Bookstore is the go-to hub for your Tiger-inspired gear, like black and gold hoodies, t-shirts and scarves! Also popular is the Bookstore's grad gear, like class rings and frames.

The Bookstore offers custom screenprinting and embroidery on a wide array of clothing and giftware items. This service is popular amongst classes, societies, sports teams and other campus groups.

The Bookstore provides a number of supports to residence students, like a huge supply of Bed Bath & Beyond products for residence rooms, mini fridges and free delivery of textbooks to student's buildings before they arrive.

The Bookstore also offers opportunities for students to save money. Once you've purchased your textbooks, learn more about the Book Buyback program. If you're looking for an alternative to buying your textbooks, the Bookstore offers online textbook rental. The textbooks are shipped directly to you, and when you're finished, you simply ship them back.

When you pay for items at the Bookstore with your DalCard, 5% of the purchase price is put back on your account to use towards future purchases.

Learn more and order Bookstore products online at <http://www.dal.ca/bookstore>

University Secretariat

The University Secretariat provides professional and administrative support and advice to the Board of Governors and University Senate so as to facilitate their effective governance of the University.

The Secretariat manages, coordinates and informs the effective operation of the Board and Senate by:

- Supporting the operations of the University's governance bodies and their respective standing and ad hoc committees;
- Proposing and developing objectives and plans to establish and achieve priorities;
- Advising on governance issues and developing and implementing policies, procedures and processes that reflect governance best practices;
- Developing, implementing, managing and coordinating the University academic integrity, student discipline and academic appeals policies and processes, and maintaining official records relative to these processes;
- Serving as a repository for University policies and information and data on matters relating to University governance; and
- Facilitating communication and collaboration with key stakeholders.

Visit the website at www.secretariat.dal.ca

Writing Centre

The Writing Centre's programs recognize that students in all disciplines are required to write clearly to inform, persuade, or instruct an audience in term papers,

laboratory reports, essay examinations, critical reviews and other academic assignments. Students benefit from discussing their work with supportive instructors and peer tutors.

The Centre currently offers a number of services. The main office in the Killam Library's Learning Commons allows students to obtain advice on writing issues. Tutors also work part of the week at Sexton and the Law School Library. Students on the Agricultural Campus can visit the Writing Centre on the main floor of the library. Seminars are held throughout the university year on topics such as essay writing, science writing, mechanics of writing, English as a second language issues, admission applications, etc.

Contact the Writing Centre by visiting the main office in the Killam Learning Commons, calling (902) 494-1963 or emailing at writingcentre@dal.ca. For more information, online writing resources or to book an appointment online, visit www.dal.ca/writingcentre.

Fees

Location:

Building/Room: Henry Hicks Academic Administration Building

Street Address 1: 6299 South Street, Room 29

Street Address 2: PO Box 15000

P.O. Box:

Halifax, NS B3H 4R2

Telephone:

Fax:

Website: www.moneymatters.dal.ca

Email Address:

Service Locations

Studley Campus

Henry Hicks Academic Administration Building, Rm 29

Monday to Friday, 9am - 4pm

tel: (902) 494-3998

fax: (902) 494-2839

email: Student.Accounts@dal.ca

Sexton Campus

Enrolment Services Centre

Monday to Friday, 9am - 4pm

tel: (902) 494-3998

fax: (902) 494-2839

email: Student.Accounts@dal.ca

Agricultural Campus

Enrolment Services Centre

Monday to Friday, 8:30am - 4pm

tel: (902) 893-6361

fax: (902) 895-5529

email: enrolment.services@dal.ca

2015/2016 Important Dates

September

25 Fees due for fall term
Last day to pay without late registration fee of \$50
Last day for complete refund

October

26 \$50 reinstatement fees assessed to accounts with balances of \$100 or more

November

6 Last day for partial refund fall term

January

15 Fees due for winter term and second installment of regular session
Last day to pay without late registration fee of \$50
Last day for complete refund

February

15 \$50 reinstatement fee to accounts with balances of \$100 or more

March

11 Last day for partial refund for winter term

NOTE: Please consult the online summer school timetable for the summer school registration schedule.

Website www.moneymatters.dal.ca

Introduction

The following section of the calendar outlines the University Regulations on academic fees for both full-time and part-time students enrolled in programs of study

during the fall, winter and summer terms. A section on University residence and housing fees is also included. Students wishing to register for the summer term should consult the summer school timetable online at www.dal.ca for information on registration dates and fees.

All fees are subject to change with approval of the Board of Governors of Dalhousie University. The 2015/2016 Academic Fee Schedule will be available in June 2015, at www.moneymatters.dal.ca.

NOTE: Student tuition fees and other fees published herein are applicable only to regular students admitted to a program through the normal application process. Other students who are admitted to Dalhousie under a special program or policy will be charged student tuition and other fees in accordance with such special program or policy. For further information regarding these fees, please contact Student Accounts or the Dean's office of the applicable faculty.

Students should make special note of the academic dates contained in the front section of the calendar as well as fee dates. Students should also be aware that additional fees and/or interest will be charged when deadlines for payment of fees as contained herein are not met.

All the regulations in this section may not apply to Graduate Students. Please refer to the Faculty of Graduate Studies section of the Graduate Calendar.

University Regulations

The following general regulations are applicable to all payments made to the University in respect of fees. Please refer to our website for additional information on payment options: www.moneymatters.dal.ca.

- Fees must be paid in Canadian funds by cash, electronic bank transfer, interac, negotiable cheque or money order.
- Money transferred to a student's account are not to exceed the annual charges associated with tuition and ancillary fees. Funding for off-campus and personal expenses is to be sent directly to the student. Overpayment on a student's account may result in funds being withheld and applied toward future term fees for up to one academic year.
- If payment by cheque is returned by the bank as non-negotiable, there will be an additional fee of \$20 and the account will be considered unpaid. Furthermore, if the bank returns a cheque that was to cover payment of tuition, the student's registration may be cancelled and, if permitted to re-register, a late fee will apply.
- Accounts in arrears must be paid by cash, certified cheque, money order or interac prior to registration in a future term.

Admission Deposits

A non-refundable deposit of \$200 is payable on acceptance to all new undergraduate and graduate programs. Undergraduate students admitted by April 20 are required to pay the deposit by May 15. Undergraduate students accepted after April 20 must pay the deposit within three weeks of receiving an offer of admission. Graduate students must pay the deposit within four weeks of receiving an offer of admission.

Undergraduate Medicine students are required to pay a \$500 non-refundable, admission deposit.

International Dentistry, Qualifying Dentistry and Internetworking students are required to pay a \$2,500 non-refundable admission deposit.

Admission deposits are later credited towards tuition fees for the applicable term.

Registration

A student is considered registered after selection of course(s).

Selection of course(s) is deemed to be an agreement by the student for the payment of all assessed fees.

Non attendance does not constitute withdrawal. Students must ensure that they cancel registration in all courses if they choose to withdraw.

Identification Cards (DalCard)

All full and part-time students should obtain identification cards upon registration and payment of appropriate fees. If a card is lost, a fee of \$15 is charged. Regular session ID cards are valid until August 31.

Audit Courses

All students auditing a course pay one-half of the regular tuition fee plus full auxiliary fees, if applicable. In such cases, the student is required to complete the usual registration process.

A student who is registered to audit a course, who during the session wishes to change their registration to credit, must receive approval from the Registrar. This must be done on or before the last day for withdrawal without academic penalty. The same deadline applies for a change from credit to audit. Graduate students please see Section 6.6.4 for audit information.

Late Registration

Students are expected to register on or before the specified registration dates. Students wishing to register after these dates must receive the approval of the Registrar. A late registration fee of \$50 will apply if registration and payment of fees has not been completed by specified dates. This fee is payable at time of payment and will be in addition to regular fees.

Course Changes and Withdrawals

Please consult Student Accounts for all financial charges and the Registrar's Office for academic regulations.

Students withdrawing from all courses must submit written notification to the Registrar's Office. Non attendance does not constitute withdrawal, you must ensure courses are dropped. Refunds due to class withdrawals will be effective the date a course(s) is dropped online at dalonline.dal.ca or written notification is received at the Registrar's Office. Please contact Student Accounts to have your refund processed.

In the Faculty of Health Professions, students who wish to withdraw from the University must obtain written approval from the appropriate school or college and submit the appropriate forms to the Registrar. Students in these faculties should continue to attend classes until their withdrawal has been approved.

Academic Fees

Note: These rates are for 2014/2015 (for information only)

Fee Schedule

Upon approval of the 2015/2016 academic fees, a complete schedule showing the payment schedule for academic fees and deposits will be made available. The official schedule will be available in June 2015 at www.moneymatters.dal.ca. Students are advised that fees are subject to change by approval of the Board of Governors, and it is likely that tuition and fees will increase during each year of study.

NOTE: Students registered in more than one program are required to pay separate academic fees for each program. Additional course specific auxiliary fees may apply, as well as fees for online courses (or programs) related to distance delivery.

APPROVED TUITION FEES 2014/2015

Degree Program	Program Fee	Per Course Fee
UNDERGRADUATE		
Architecture, Community Design		709.20
Arts and Social Sciences		678.60
Computer Science		770.10
Dentistry		
Dentistry - Year 1	19,108	
Dentistry - Year 2, 3, 4	18,060	
Dental Hygiene Diploma	8,478	
Dental Hygiene Degree		858.00
International and Qualifying	45,320	
Engineering		770.10
Health Professions		
Disability Management Diploma		900.00
Emergency Health Services Management Diploma		700.00

Health Science		790.50
Health Services Administration Diploma		770.10
Nursing & Kinesiology		790.50
Pharmacy		813.90
Recreation & Health Promotion		790.50
Social Work		750.00
Law	13,780	
Management		
Commerce Co-op		777.00
Management		682.80
Medicine		
MD		
Year 1	17,430	
Year 2, 3, 4	17,100	
Post-Graduates	2,812	
Science		770.10
Sustainability		786.45
GRADUATGRADUATGRADUATEEE		
MasterMasterMastersss		
Architecture and Planning		
Architecture (Post-Professional)	8,166	
Architecture		817.20
Environmental Design Studies	8,166	
Planning		858.00
Planning Studies	8,166	
Arts and Social Sciences	7,185	
Computer Science	8,166	
Dentistry		
MD/MSc (Oral and Maxillofacial)	18,572	
Prosthodontics	18,572	
Periodontics	18,572	
Electronic Commerce	9,054	
Engineering, Applied Science, Biomedical Engineering & Food Science	8,166	
Engineering - Internet Working (per class)		2,070
Health Informatics	9,054	
Health Professions		
Applied Health Services Research	7,290	
Clinical Vision Science	8,850	
Health Promotion, Leisure Studies	8,166	
Health Administration		824.10
Human Communication Disorders (Years 1 and 2)	10,257	
Human Communication Disorders (Year 3)	8,498	
Kinesiology and Nursing	8,850	
Pharmaceutical Sciences	10,254	
Occupational Therapy		
Entry Level	13,017	
Post Professional	10,254	
Physiotherapy		
Entry Level	13,017	
Rehabilitation Research	10,254	
Social Work		793.80
Law	10,068	
Management		
MBA Corporate Residency	21,395	
Environmental Studies	7,269	
Library and Information Studies		905.10
Public Administration		719.40
Resource and Environmental Management		719.40
Medicine		
Community Health & Epidemiology	8,850	
Medicine - Except Community Health & Epidemiology	8,166	
Science	8,166	
Marine Management	7,269	
DoctoratDoctoratDoctorateee		

Arts and Social Sciences	7,539
Computer Science	8,535
Engineering, Applied Science & Biomedical Engineering	8,535
Law	10,416
Medicine	8,535
Nursing	9,216
Science	8,535
Continuing Education	
All Programs	2,235
International Student Differential Fee	
All Programs except Graduate Thesis-based *	8,448
Graduate Thesis-based Programs	5,841
International Health Insurance	491 per year
Agricultural Campus	
Degree (undergraduate)	618
Technical	381
Introductory Studies	360
Workplace Readiness	112
Veterinary Technology	512

Note: Per course fees are based on a three credit hour course. Complete fee schedules are available online www.moneymatters.dal.ca. The 2014/2015 fee schedule currently online is expected to be updated in June of 2015 with the approved academic fees for 2015/2016.* The cost for international students is twice that of the approved domestic tuition rate for Truro courses

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Exchange Students

Outbound exchange students whose fees are paid to Dalhousie University will be assessed tuition and fees for 15 credit hours in their faculty.

International Students

Differential Fee

Registered students, who are not Canadian Citizens or permanent residents are required to pay an additional "Differential Fee" to a maximum of \$4,224 per term, subject to increase in 2015/2016. There is a proportional charge for part-time international students. International Dentistry, Qualifying Dentistry and Internet working students are exempt. Graduate Students please see Section 5.7 of the Graduate Studies Calendar to determine the number of years a student is required to pay the differential fee.

If a student receives permanent resident status, the differential fee will not be assessed for the current term and beyond. In order to process a retroactive reimbursement of differential fees in a current term, acceptable proof of residency must be submitted to the Registrar's Office prior to the last business day of December, April, and August for each term.

Health Insurance

International students will be charged for an International Student Health Insurance Plan when they register. If a student already has comparable health coverage, they can apply to opt out of the International Student Plan at the DSU Health Plan Office before September 25, 2015. Costs for the health plan change annually. More details on the international student health plan costs and opt out process can be found at www.dsu.ca. Full-time students will also be assessed the extended DSU Health and Dental plans, see 11.F.2.

Health Insurance - International Students (2014/2015 rates, for information only)

- Single - \$491 per year
- Family - \$1,227 per year

Student Fees

In addition to tuition and course related fees, the following mandatory incidental fees may apply. These fees are non-refundable beyond the due date for each term. In cases of late cancellations or retro-active withdrawal, the mandatory incidental fees remain payable. Rates provided as information only, subject to change for 2015/2016.

Student Union Fee

Every student registered at Dalhousie is a member of the Student Union and required to pay a Student Union fee as part of their registration procedure. These fees have been approved by students in referenda and, along with other revenue of the Union, are allocated each year by the Student Council budget.

For information only, 2014/2015 full-time student union fees are \$72.93 per term.

Health and Dental Insurance

Every fall term, full time students are assessed the DSU Health and Dental Plan. This provides extended coverage from September through August. The current rate is \$253 per year.

Students with separate health insurance may apply to the DSU for reimbursement. For more information please contact the Student Union Office in Room 222 of the Student Union Building (SUB), phone: (902) 494-2850 or visit their website at www.dsu.ca.

Student Service Fee

Student Service provides and supports various Dalhousie Services including health services and athletics. For information only, 2014/2015 Student Service fee is \$144.93 per term for full-time students.

The following services will be provided without additional charges unless specified:

- Change from Audit to Credit
- Confirmation of Enrolment
- Confirmation of Fee Payment
- Dalplex Membership
- Leave of Absence Fee
- Letter of Permission
- Replacement Tax Receipt
- Transcripts (maximum of five requested at one time)

All students are assessed a facilities renewal fee of \$81.90 per term; \$27.30 per term for part-time students. 2014/2015 rates provided for information only; subject to increase with approval from the Board of Governors.

University Bus Pass Fee (UPass)

All eligible, full-time students will receive a Metro-Transit bus pass (UPass). The fee in 2014/2015 is \$147 and is effective September through April. Please refer to www.upass.dal.ca for further information.

Laboratory Deposits

A deposit for the use of laboratory facilities in certain departments is required. The deposit is determined and collected by these departments. Students will be charged for careless or willful damage regardless of whether or not a deposit is required.

Additional Student Fees

Departments may also charge additional fees on a cost recovery basis not included in the fee schedule. Examples include, but are not limited to, print or copy fees, transportation costs and material fees. Students registered in online courses and distance programs will be assessed additional fees for delivery of these courses.

Miscellaneous fees are charged as outlined in the table below.

Miscellaneous Fees 2014/2015

Fee	Amount	Payable at
Late Registration	\$50	Student Accounts
Reinstatement Fee	\$50	Student Accounts
Returned Cheque	\$20	Student Accounts
Admission Deposit	\$200	Student Accounts
Undergraduate Medicine Admission Deposit	\$500	Student Accounts
Application Fee	\$70	Registrar
Late Graduation Application	\$50	Registrar
Replacement ID	\$15	DalCard Office
Replacement Bus Pass	\$15	DalCard Office or Student Accounts
Transcript	*\$5	Registrar
Fax Fees		
Metro	\$5	Registrar
Canadian	\$10	Registrar
International	\$15	Registrar
Residence Application Fee	\$50	Residence

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Undergraduate Medicine Admission Deposit	\$500	Student Accounts
Application Fee	\$70	Registrar
Late Graduation Application	\$50	Registrar
Replacement ID	\$15	DalCard Office
Replacement Bus Pass	\$15	DalCard Office or Student Accounts
Transcript	*\$5	Registrar
Fax Fees		
Metro	\$5	Registrar
Canadian	\$10	Registrar
International	\$15	Registrar
Residence Application Fee	\$50	Residence

* Where appropriate, contact Registrar's Office for details Note: Fees are subject to change after publication of this calendar.

Statements and Monthly Notices

Students with current activity will be issued electronic statements. Students will be notified through their official Dalhousie email account when a new statement is available. Subsequent monthly payment reminders will be sent to the student's official Dalhousie email address. Refer to www.moneymatters.dal.ca for more information.

Release of Student Financial Information

Student Accounts is often asked to disclose financial information on a student's account by parents and others so they can make accurate tuition payments.

University policy recognizes the financial account as belonging to the student and therefore, to protect student privacy, account information is considered confidential. For more information on granting permission for financial information to be released to a third party (such as a parent), please contact Student Accounts at (902) 494-3998 or in Truro at (902) 893-6361 www.moneymatters.dal.ca.

Payment

The payment of academic fees will be received at the Student Accounts Office located on the basement level of the Henry Hicks Academic Administration building, the Enrolment Services Centre on Sexton Campus or the Enrolment Services Centre, Truro.

For the convenience of students, Canadian cheques and money orders, payable to Dalhousie University, are accepted by mail. Fees paid by mail must be received by Student Accounts on or before the term due date to avoid late payment and/or delinquency charges.

The following regulations apply to the payment of academic fees. For further information on regulations regarding withdrawal of registration, please refer to II.K:

- All** students must pay the applicable deposit in accordance with Section A.
- Those holding external scholarships or awards paid by, or through, Dalhousie must provide documentation of the scholarship or award before term fees are due.
- Those whose fees are paid by a government (or other agency) must have the third party billing form completed and submit to Student Accounts by September 25 or January 15 for the respective term. This form is available online at www.moneymatters.dal.ca
- Those paying the account balance by Canada Student Loan must negotiate the loan by September 25 or January 15 for the respective term. Interest will be charged after these dates and a late registration fee will apply.
- Those whose fees are paid by Dalhousie University staff tuition fee waiver must present the appropriate waiver form and pay applicable incidental fees by September 25 or January 15, for the respective term.
- Those who are Canadian citizens (or permanent residents), 65 years of age (or over) and enrolled in an undergraduate degree program will have their tuition fees waived, but must pay the applicable incidental fees.
- Scholarships or awards paid by, or through, Dalhousie University will be applied to academic and residence fees.
- When a Canada Student Loan, provincial loan or co-payable bursary is presented at the Student Accounts Office, any unpaid charges will be deducted.
- Fees cannot be deducted from salaries paid to students employed at Dalhousie University.
- Any payments made to a student account is first applied to past due balances.

Canada Student Loans

Students planning to pay by Canada Student Loan should apply to their province in April or May so that funds will be available by the time payment is required. The University will deduct fees/charges from the loan at the time of endorsement. Please contact the appropriate provincial office to determine eligibility as well as course load requirements. A late fee of \$50 will apply if the loan is negotiated after September 25, 2015. (January 15, 2016 for students registered for winter term and May 13, 2016 for students registering for the summer term).

Provincial Bursaries and University Scholarships

These cheques are distributed by the Student Accounts Office. Any unpaid fees and/or temporary loans along with charges, if applicable, are deducted and payment will be issued following endorsement for any balance remaining. A valid Dalhousie University ID and Social Insurance Number must be presented in order to receive cheques. Please contact the appropriate provincial office to determine eligibility as well as courseload requirements for provincial bursaries.

For more information on student loans, bursaries or scholarships, inquiries should be directed to the Registrar's Office, Henry Hicks Academic Administration Building, Room 130.

Receipts

The amount of academic fees constituting an income tax credit is determined by Canada Revenue Agency.

A special income tax certificate (T2202A) will be available annually through Web for Student at dalonline.dal.ca no later than February 28 for the previous calendar year.

Refunds

Students withdrawing from all courses must submit written notification to the Registrar's Office. Non attendance does not constitute withdrawal, you must ensure courses are dropped. Refunds due to course withdrawals will be effective the date a course(s) is dropped online at www.dalonline.dal.ca or written notification is received at the Registrar's Office. Please contact Student Accounts to have your refund processed.

In the Faculty of Health Professions, students who wish to withdraw from the University must obtain written approval from the appropriate school or college and submit the appropriate forms to the Registrar. Students in these faculties should continue to attend class until their withdrawal has been approved.

Refund Conditions

Refunds will be processed as follows:

- a. Based on the withdrawal date, tuition is refunded based on percentages outlined in the refund schedule at www.moneymatters.dal.ca.
- b. No fee adjustment will be made for a student changing their degree or program as follows:

Regular (Sept - April) and Fall Terms	After September 25, 2015
Winter Term	After January 15, 2016
Summer Term	After May 13, 2016
- c. No refunds will be made for 30 days when payment has been made by personal cheque or 60 days for a cheque drawn on a bank outside of Canada.
- d. Refunds will be made to the appropriate Student Loan service provider if a student has paid with a student loan and no longer meets eligibility criteria.
- e. A student who is dismissed from the University, for any reason, is not entitled to a refund of fees.
- f. Refunds will be prorated on fees paid by Dalhousie scholarships and/or tuition waiver.
- g. A valid Dalhousie University ID must be presented in order for the student to collect a refund cheque.

Refund Schedule

The most current version of the refund schedule is available at www.moneymatters.dal.ca.

Important Information Regarding Refunds

- A portion of fees as outlined in the refund schedule will be assessed if withdrawal from a course occurs after September 25 (Fall Term) and January 15 (Winter Term). Withdrawals before these dates will be completely refunded, but no substitutions will be allowed from a financial perspective after these dates
- Non-attendance does not constitute withdrawal and fees will be payable.
- The refund schedule does not apply to the University of King's College Journalism Program.

- For financial charge inquiries, contact Student Accounts at (902) 494-3998 or Student.Accounts@dal.ca.

Delinquent Accounts

Accounts are considered delinquent when the balance of fees has not been paid by September 25 for the fall term or January 15 for the winter term.

Interest, at a rate set by the University, will be charged weekly on delinquent accounts for the number of days overdue.

Effective July 1, 2014 the rate of interest is 6.0% per annum, compounded monthly.

A student whose account is delinquent for more than 30 days will be denied University privileges including access to transcripts. A student will be reinstated upon payment of the fees outstanding, the arrears interest and a \$50 reinstatement fee. Students will not be permitted to register in future terms until all outstanding amounts are paid in full. Subsequently, if the bank does not honour the payment, the student may be deregistered.

Graduating students whose accounts are delinquent on April 15 will not receive their degree/diploma parchment. For fall graduation the deadline is September 1. Transcripts are withheld until payment is received in full.

Accounts which become seriously delinquent may be placed in collection or further legal action may be taken against the individual. Students will be responsible for charges incurred as a result of such action.

Residence Fees

Residence rates vary depending on the location and style of accommodations available. For up-to-date residence options and rates, please visit www.dal.ca/residence. All residence rates include local telephone service with voice mail features, cable TV service and ResNet (high-speed Internet/wireless). Rates **do not** include the non-refundable \$50 Residence Application Fee.

It is important to note that traditional residences have a mandatory meal plan; however, there are several options available for students. Traditional residences on the Halifax campuses include: Howe Hall, Risley Hall, Shirreff Hall, Gerard Hall, LeMarchant Place, O'Brien Hall, Mini Residences and Residence Houses. Traditional residences on the Truro campus include: Chapman House, Fraser House, and Trueman House. Non-traditional residence options on the Halifax campuses include: Glengary Apartments and the Grad House. On the Truro campus a section of Trueman House is reserved for non-traditional accommodations. Meal plans are not required in non-traditional residences but are recommended. For up-to-date meal plan options and rates, please visit www.dal.ca/foodservices.

Important:

- Once offered admission to an academic program of study at Dalhousie, students are eligible to submit a residence application. **Application can be made within 48 hours of the \$200 admission deposit being paid.**
- Students must be registered full-time at Dalhousie to apply to residence.
- No refund will be made to any resident who is dismissed for misconduct. Discretionary power in exceptional circumstances remains with the Director, Residence Operations, in conjunction with the Director, Residence Life or their designates.
- All residence students, new and returning, who have received notification of their room assignment, must pay a \$500 deposit to confirm their acceptance. The deposit is due within the time frame specified by the Residence Office.
- \$250 of the \$500 deposit is refundable if cancellation is received prior to August 1. No refunds are made after August 1.
- The \$500 residence confirmation deposit can be paid by credit card (Mastercard, Visa, Amex) by visiting

www.dal.ca/admissions.html. For more payment options, please visit www.dal.ca/admissions.html.

No residence room will be held based on post-dated or "insufficient fund" cheques.

Deposits or fees cannot be deducted from scholarships, fellowships, or similar awards.

Residence agreements are for eight-month terms (September – April). Please note, residences close during the December break.

Residence Term

The residence term commences the Sunday prior to Labour Day and ends on the last day of the examination period in the College of Arts and Science in April. Students must vacate the residence 24 hours after their last exam and residences are closed over the December break.

If required, an additional fee is payable by all residents who are registered in a Faculty where the academic session commences before or continues after the session of the College of Arts and Science. Special arrangements are to be made with the appropriate Residence Life Manager for accommodation for periods prior to or following the session as defined above.

Payment of Residence Fees

Payment may be made in full at registration or in two instalments. The first instalment must be paid in full by September 25, 2015. Interest is assessed weekly at a rate as set by the University and will be charged on all accounts outstanding after September 25, 2015 and on any second instalment outstanding after January 15, 2016. The student will not be permitted to register for another session until all accounts are paid in full. A student whose account is delinquent for more than 30 days will be denied university privileges including access to transcripts. The student will be reinstated upon payment of the fees outstanding, the arrears interest, and a \$50 reinstatement fee. For additional information regarding outstanding or delinquent accounts, please see II. Fees, Section K.

All residence fees can be paid at the Student Accounts Office, the Student Service Centre (Sexton Campus), or online at www.dal.ca/admissions.html.

Students should make an appointment as soon as possible with the Assistant Manager of Student Accounts if they are having financial difficulties.

Residence Communications

All residences are wired for high-speed Internet/wireless, local telephone service and cable TV access.* The cost is included in residence fees. Check out the website at www.dal.ca/rescomm.

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Financial Aid

Financial Aid

Government Student Loans

IMPORTANT: Please note that federal and provincial student loan regulations include stipulations for the Borrower in terms of the minimum course load, expressed as a percentage of the normal course load at the University, which the Borrower must carry in order to benefit from the program. This minimum must be maintained throughout the academic year, e.g., a student who wishes to receive either money or interest-free status under the Canada Student Loan Plan for the entire academic year must carry not fewer than 60 per cent of the normal course load (expressed in credit hours) for each term. Please note, to be eligible for provincial loan funding from Newfoundland, you must be registered in 80% of the normal class load. At Dalhousie, the normal credit hour load for student loan purposes is 30. The Borrower must carry not fewer than 18 credit hours, distributed equally between the terms, i.e., nine. If your particular program does not conform to this scheme, you should apply to Student Aid for funding for only that term in which your course load would fulfill this regulation. Federal and provincial rules can differ on this matter.

If you must drop or add courses, exercise care so as not to jeopardize your governmental student loan(s).

Addresses of Provincial Student Aid Authorities

Canadian students are to apply for government assistance to the appropriate agency in that province or territory in which the applicant is a bona fide resident.

Alberta

Alberta Students Finance
PO Box 28000
Station Main
Edmonton, AB T5J 4R4
Fax: (780) 422-4516
Tel: (780) 427-3722
1-800-222 6485 (toll free in Canada)
<http://www.alis.gov.ab.ca>

British Columbia

Student Services Branch
Ministry of Advanced Education
PO Box 9173
Stn Provincial Government
Victoria, BC V8W 9H7
Fax: 1-800-262-2112
1-800-561-1818 (toll free in Canada/US)
<http://www.aved.gov.bc.ca/studentaidbc>

Manitoba

Manitoba Student Aid Advanced Education
409 - 1181 Portage Avenue
Winnipeg, MB R3G 0T3
Fax: (204) 948-3421
Tel: (204) 945-2313 (outside Manitoba)
1-800-204-1686 (toll free in Manitoba)
<http://www.studentaid.gov.mb.ca>

New Brunswick

Student Financial Services

Department of Education
PO Box 6000
440 King Street, Suite 420
Fredericton, NB E3B 5H1
Fax: (506) 444-4333
Tel: (506) 453-2577 or
1-800-667-5626 (Atlantic Provinces, Ontario and Quebec only)
<http://www.studentaid.gnb.ca>

Newfoundland & Labrador

Student Financial Services Division
Department of Youth Services and Post-Secondary Education
PO Box 8700
St. John's, NL A1C 4J6
Fax: (709) 729-2298
1-888-657-0800
<http://www.ed.gov.nl.ca/studentaid/>

Northwest Territories

Student Financial Assistance
Department of Education
Cultural and Employment
Government of NWT
PO Box 1320
Yellowknife, NT X1A 2L9
Fax: 1-800-661-0893
Tel: (867) 873-7190
1-800-661-0793
<http://www.nwtsfa.gov.nt.ca>

Nova Scotia

Student Assistance Office
Department of Education
PO Box 2290, Halifax Central
Halifax, NS B3J 3C8
Fax: (902) 424-0540
Tel: (902) 424-8420 (metro)
1-800-565-8420 (within province)
(Street location: Trade Mart Building, 2021 Brunswick at Cogswell Street, Halifax, NS)
<http://studentloans.ednet.ns.ca>

Nunavut

Adult Learning & Post-Secondary Services
Nunavut Department of Education
Box 390
Arviat, NU X0C 0E0
Fax: 1-877-860-0167
1-877-860-0680
<http://www.edu.gov.nu.ca/>

Ontario

Ontario Student Assistance Program
Student Support Branch
Ministry of Training,
Colleges and Universities
PO Box 4500
Thunder Bay, ON P7B 6G9

Fax: (807) 343-7278
Tel: (807) 343-7260
<http://osap.gov.on.ca>

Prince Edward Island

Student Financial Services
Department of Education
PO Box 2000
16 Fitzroy St
Charlottetown, PE C1A 7N8
Fax: (902) 368-6144
Tel: (902) 368-4640
<http://www.studentloan.pe.ca>

Québec

Residents of Québec apply to:
Ministère de l'Éducation
Aide financière aux études
1035, rue De La Chevrotière
Québec, QC G1R 5A5
Tel: (418) 646-4505
1-888-345-4505
<http://www.afe.gouv.qc.ca>

Saskatchewan

Student Financial Assistance Branch Saskatchewan Learning
3085 Albert Street, Walter Scott Building
Regina, SK S4P 3V7
Tel: (306) 787-5620
1-800-597-8278
<http://www.student-loans.sk.ca>

Yukon Territory

Students Financial Assistance
Advanced Education Branch
Department of Education
Government of Yukon
PO Box 2703
Whitehorse, YT Y1A 2C6
Fax: (867) 667-8555
Tel: (867) 667-5929
1-800-661-6408 Local 5929 (within Yukon)
<http://www.education.gov.yk.ca>

Temporary Loans

The University has established a temporary loan program to assist all registered Dalhousie students with certain types of short-term financial difficulty when no other resource is available. Students must provide proof of their ability to repay the loan within the time period. (Loans are not made for tuition fee payment.) These loans have a short interest-free period, after which interest will be charged. Refer to the Temporary Loan Application for further details. Applications may be picked up in the Registrar's Office, Room 130, Henry Hicks Academic Administration Building, the Sexton Campus Student Service Centre, the Enrolment Services Centre (Agricultural Campus), or online at <http://www.dal.ca/moneymatters>

Awards

Scholarships, Bursaries, Awards, and Prizes

The Registrar's Office is responsible for:

- Undergraduate Scholarships
- Undergraduate Bursaries
- Undergraduate Awards and Prizes
- Convocation Medals

IMPORTANT NOTE: The University regularly reviews the policy governing undergraduate awards. Consequently, portions of the following statement of policy may be modified or altered and may be implemented during the course of the academic year of this Calendar.

Helpful Terms

Admissions Average

This is the average of the subjects which were used for entry to the Dalhousie academic program and is governed by admission requirements for the degree/diploma selected.

Adjusted Average

This number is the sum of the Admissions Average, plus points which are assigned to the level of course difficulty (for AP and IB courses) and the number of university-preparatory subjects beyond the minimum five.

Faculty Groupings

There are eight: agriculture; architecture and planning; arts and social sciences; computer science; engineering; health professions; management; and science.

Types of Awards

- Scholarships: A monetary award, at the entrance, in-course and/or graduating level, based on academic performance (in specific subject or group of subjects).
- Awards: A monetary award, at the entrance, in-course and/or graduating level, based on academic performance (in specific subject or group of subjects) and on the recognition of additional relevant attributes.
- Bursary: An award granted on the basis of financial need.
- Medal: An award based on recognition of an outstanding academic record at Dalhousie for a specific degree program in a particular subject.
- Prize: A monetary award of any value, or a non-monetary award, based on general academic excellence, or proficiency in a specific area of study or competition.
- External Award: An award given to the student of the university by an external agency. The University may share in the selection, administration and/or payment of such an award.

General Policy

Applicable to those awards administered by the Registrar's Office. Selection criteria may be different for those awards administered by individual faculties/schools/departments.

Where Dalhousie Scholarships can be Used

Dalhousie University scholarships can be used only at Dalhousie unless the Will or Trust Deed should otherwise permit. The University of King's College has its own scholarship program. Insofar as scholarships, bursaries, awards, prizes, and governmental student loans are concerned, Dalhousie and King's are separate. In order to

receive Dalhousie funds you must be a registered Dalhousie University student.

Changing Degree Programs or Faculties

Changing degree/diploma programs or faculties can have implications for scholarship retention. Scholarship holders considering degree or faculty changes should consult the Awards Office prior to making the change.

Scholarship Payments and Rebates

To receive scholarship funds, a student must be registered at least as a full-time student (minimum nine credit hours for degree students, six credit hours for technical students) at Dalhousie during the term(s) in which they are receiving the funds. Students registered in Graduate Studies, Medicine, Law and Dentistry (with the exception of Dental Hygiene students), are ineligible to receive in-course scholarships or renew an existing scholarship. These faculties have their own awards programs.

- Payments: Dalhousie University scholarships are credited towards students' accounts in two equal installments first and second term. Awards are applied first to tuition and prescribed fees, and secondly for residence fees.
- Rebates: The portion of scholarship money in excess of the above charges will be refunded to the student. Refunds are made by the Student Accounts Office in October and February upon request.

Entrance Awards

Entrance awards are available to students applying to Dalhousie directly from high school. Transfer students are not eligible for entrance awards, with the exception of the First Nations and Indigenous Black Students Scholarships. Entrants coming from Year II of a CEGEP program are considered to be transfer students. Students entering the third year of engineering (including students entering from Associated Universities) should review the In-Course Awards (Engineering) section of this Calendar for award opportunities.

Dalhousie offers both renewable and non-renewable entrance awards. Non-renewable awards are held for one year. Renewable entrance awards are typically renewable for a maximum of four years. To be considered for entrance awards, applicants must submit a complete Dalhousie application for admission, a scholarship application, and an official transcript, to the Registrar's Office by March 15. Students must be admitted with a minimum 80% average (26 predicted points for IB diploma candidates) for entrance award consideration. Achieving the minimum academic average does not guarantee that an applicant will receive an award.

Applicants will be evaluated for entrance awards based on some or all of the following criteria: academic merit, extracurricular involvement, financial need, initiative to fund their own education, ancestry, and leadership. A DalOnline application is available for accepted applicants in December. A paper-based application is available for applicants yet to be accepted the following February. Visit <http://www.dal.ca/scholarships> for more information.

Eligible Courses for Scholarship Assessment

The Registrar's Office (Awards) considers all those Dalhousie courses which are taken for credit in a designated degree/diploma program during the academic year (or term in the Co-op program) as eligible courses for scholarship assessment.

Correspondence courses are considered for scholarship purposes.

Unless taken on Letter of Permission, transfer credits do not count towards the credit hours reviewed for scholarship assessment.

Please note that courses taken at other institutions are counted, to a maximum of one course per term, for scholarship assessment if such courses are taken on Letter of Permission towards an eligible degree/diploma at Dalhousie.

Scholarship GPA (SGPA) Calculation

The scholarship GPA (SGPA) will be calculated for students who have completed a minimum of 30 credit hours of work over two terms within the preceding academic year. The SGPA will include all eligible courses attempted during this time period. Please note that the scholarship GPA and the sessional GPA normally differ. The scholarship GPA, expressed to two decimal places, does not show on a student's transcript.

Renewable Scholarships

Unless otherwise advised, an SGPA of 3.70 is required to maintain a renewable scholarship. Students must also complete a full course load (a minimum of 30 credit

hours) over two terms within the previous academic year to be eligible for renewal. Co-op students who are on a work term during the calendar year must also complete 30 credit hours over two terms to be eligible. Students completing two work terms within one academic year must complete a minimum of 15 credit hours during their one academic term and achieve a minimum term GPA of 3.70 to be considered. In those cases where students have taken more than 30 credit hours, assessment is based on all courses taken within the term(s) being assessed. Transfer credits do not count towards the credit hours reviewed for scholarship assessment. Holders of renewable awards are notified of either the renewal or the non-renewal of their awards annually, via Dalhousie email.

Holders of renewable scholarships are not also entitled to hold Dalhousie in-course scholarships. Students registered in Graduate Studies, Medicine, Dentistry (with the exception of Dental Hygiene students), or Law are ineligible to receive in-course scholarships or renew an existing scholarship.

In-Course Scholarships

All undergraduate Dalhousie students not on a renewable scholarship, in eligible programs in the faculties of Architecture & Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management and Science, who have completed a full course load (a minimum of 30 credit hours) over two terms within the previous academic year and achieved a minimum SGPA of 3.70 will be eligible for in-course scholarship consideration. Co-op students who are on a work term during the calendar year must also complete 30 credit hours over two terms and achieve a passing grade in the work term to be eligible for consideration. Students completing two work terms within one academic year must complete a minimum of 15 credit hours during their one academic term, achieve passing grades in both work terms, and achieve a minimum term GPA of 3.70 to be considered eligible for consideration. In those cases where students have taken more than 30 credit hours, assessment is based on all courses taken within the term(s) being assessed. Transfer credits do not count towards the credit hours reviewed for scholarship assessment. In-course scholarship recipients are notified of their award over the summer, via Dalhousie email.

Students registered in Graduate Studies, Medicine, Dentistry (with the exception of Diploma in Dental Hygiene students), or Law are ineligible to receive in-course scholarships or renew an existing scholarship.

Bursaries

The University's bursary program is intended as possible supplementary assistance to help qualifying students with a portion of their educational costs.

The University has funds for the purpose of assisting its students who may face certain types of financial situations. These bursaries are awarded primarily on the basis of demonstrable need as determined by the appropriate University office or committee, satisfactory academic standing (see as defined in Academic Regulations) is also expected. Students whose financial needs are exceptionally large and/or students whose academic standing is unsatisfactory may not be assisted. Normally, bursaries will be awarded only to students who have availed themselves of assistance under the Canada Student Loan Program and/or corresponding provincial or territorial loan programs or bank loans. Normally, receipt of the first installment of such funding is a prerequisite to the University's consideration of an application for bursary assistance. Students may access the bursary program for a maximum of five years.

International Exchanges

Students who have permission to study for one or two terms outside of Canada in an approved exchange program, and are considered to be full-time (normally 30 credit hours), can be considered eligible for in-course or renewable scholarship assessment. Students who hold a Dalhousie scholarship and are planning to study abroad are advised to contact the Assistant Registrar (Awards) prior to departure to discuss their funding schedule.

Scholarship Assessment

Students who hold renewable scholarships will be assessed for renewal in either June or September depending on completion of two academic terms. If a student has previously failed to renew their scholarship and subsequently achieves the required 3.70 SGPA in the next academic year, or in any academic year within four of the original offer, the scholarship may be reinstated.

All other undergraduate students are assessed for in-course scholarships in June or September depending on completion of two academic terms.

Reduced Course Load and Retention of Scholarship

Scholarship holders considering taking a reduced course load should consult the Registrar's Office - Awards before dropping courses. Students must complete a minimum of 30 credit hours over two terms within the academic year to qualify for renewal of their scholarships or an in-course scholarship.

Record of Scholarships

Scholarships, awards, and prizes are recorded on academic transcripts. The University retains the right to reassign the source funding of a student's scholarship as circumstances may warrant (but there would be no reduction in the amount).

Graduation and Renewable or In-Course Scholarships

Students holding a renewable scholarship who choose to graduate earlier than originally expected, and later decide to return to upgrade their degree to a four-year degree, must submit a request to access their scholarship for the final year. In addition, if a student graduates and then decides to upgrade their degree, they cannot be assessed for an in-course scholarship until a further 30 credit hours over two terms within the same academic year are completed and a minimum SGPA of 3.70 is achieved.

Taxation

Students registered as full or part-time students are not required to claim financial awards (i.e. scholarships, bursaries) as income on their taxes.

Withdrawing

Award funds are credited to a student's account with the expectation that they will remain registered at Dalhousie at least as a full-time student (minimum nine credit hours for degree students or six credit hours for technical students) within the applicable term. Therefore, if a student reduces their course load or withdraws, these funds are expected to be returned to the University. However, depending on the time of the withdrawal, a student may be entitled to retain a prorated portion of the scholarship. Students in this situation are advised to contact the Assistant Registrar - Awards prior to withdrawing.

Scholarship Appeals

The deadline to appeal a scholarship decision for an entrance/in-course/renewable scholarship or entrance bursary is October 31.

Students may appeal under the following grounds:

- extraordinary or compassionate circumstances;
- unfair scholarship decision under the circumstances; and/or,
- inconsistent scholarship decision compared to other offers/decisions (compared to other Dalhousie scholarships)

Students must submit their appeal, in written form, to the Assistant Registrar, Awards, in the Registrar's Office, by the deadline noted above. The letter should clearly outline the grounds for appeal and the remedy being sought. Students should include documentation, if applicable, to support the basis of their appeal. The decision of the Appeals Committee is final.

Convocation Awards

The Governor General's Silver Medal, Governor General's Bronze Medal, University Silver Medal, Avery Prize, and University Medals are administered by the Registrar's Office (Awards) and are awarded at convocation. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for the second degree used when calculating their cumulative average. Students graduating in the fall convocation are eligible for consideration for the aforementioned medals and prizes in the following spring convocation. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible.

In the College of Pharmacy, the School of Health and Human Performance, the School of Health Sciences, and the School of Nursing, a University medal is awarded annually at the spring convocation to a graduating student who demonstrates the following criteria have been met:

- The candidate has successfully completed the equivalent of three full-time years in their respective baccalaureate program (90 credit hours) at Dalhousie.
- Has met the FHP cumulative GPA requirement or better on courses taken at Dalhousie towards the degree.
- Of those eligible, has the highest GPA.

All credits taken towards the degree at Dalhousie will be used in the calculations. Transfer credits taken prior to entry into the program are not counted towards either the 90 credit hours criterion, or towards the cumulative GPA requirement. Classes taken on Letter of Permission, while registered in the program, are included in the 90 credit hours criterion and calculated as part of the cumulative GPA requirement. As the School of Social Work does not offer a three year (90 credit hour) BSW degree, it is not eligible for the University Medal.

Entrance Awards

54th Avenue Capital Corporation Bursary

A \$2,500 bursary to provide financial assistance to a student with demonstrated financial need and good academic standing entering university directly from high school.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$2,500

Albion Mines Scholarship

Awarded to a student based on academic achievement, community involvement and financial need.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be permanent residents of Pictou County, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Aldous Bachelor of Commerce Bursary

The Aldous BCOM Bursary is intended to provide financial support to a new Commerce student, and may be renewable annually.

Eligibility: Awarded to a Canadian student entering the Bachelor of Commerce program directly from high school with a minimum 80% average and demonstrated financial need.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Suddy and Barbara Bill Ashfield Bursary

This endowment provides renewable bursaries annually to students entering Dalhousie with permanent disabilities and demonstrated financial need. The number and value of bursaries may vary from year to year. To be considered, students must submit medical documentation regarding the nature of their disability, and a complete General Entrance Award Application.

Eligibility: Available to students entering any program at Dalhousie University directly from high school with a documented permanent disability.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$10,000

Atlantic Scholars Award

Atlantic Scholars Awards will provide tuition and residence costs (at shared-room rate, for as long as the recipient chooses to live in residence) for the length of the recipient's first diploma (up to two years) or degree (up to four years). The scholarship does not cover meals, books, and student fees. Only those applicants who have achieved a minimum average of 85% on the courses required for admission shall be considered. Selection criteria include academic performance, geographic distribution, and extracurricular activity.

Eligibility: Available to students entering any program at the Faculty of Agriculture directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$40,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annie L. Beer Prize

Under the Will of the late Mrs. Thomas (Annie L.) Beer of Charlottetown a bequest was established at Dalhousie University. The net income from the fund provides for a prize which is to be awarded to the youngest student from Prince Edward Island who enters this University in each year.

Eligibility: Available to an entering undergraduate student from Prince Edward Island.

Application Type: Automatic Consideration – No Application Required

The Francis Hugh Bell Entrance Scholarship in Science

This scholarship was established by a bequest from the estate of Barbara Bell who attended Dalhousie in 1923 as a music student. This scholarship is awarded annually to honour her father, the late Mr. Francis Hugh Bell who was one of Dalhousie's earliest graduates.

Eligibility: Available to students entering any program in the Faculty of Science at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$2,500

Beta Sigma Phi Scholarship

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information
Application Deadline: July 31

The Bissett Scholarship

A scholarship valued at \$24,000 (\$6,000 per year) was established by Mr. David Bissett with the intention of encouraging scholastic achievement by providing an incentive to capable high school students. A nomination for a Bissett Scholarship will not interfere with consideration of the nominee for other University scholarships. A student may not, however, hold a Bissett Scholarship and another Dalhousie scholarship at the same time. Students must be nominated by their school to be considered for this scholarship, and should contact the Guidance Office for more information.

Eligibility: Available to students entering any program at Dalhousie University directly from Cole Harbour District High School. Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information
Value: \$24,000

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.0 in three full year courses or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Dr. John Bubar Scholarship

After graduating in 1950, John Bubar returned to former NSAC in 1967 to become the first department head of Plant Science Department. By the time John relinquished the chair more than a decade later, it had grown to a professional group of dozen accomplished scientists and teachers. John Bubar loved to teach and share his love of plants and agriculture in general. He was affectionately known by many students as "Johnny Plant." In turn he knew every student's name and, by the time he retired in 1987, he had taught three generations of students at the former NSAC. John is a friend of the Agricultural Campus, and a strong proponent of practical learning. He has left an indelible mark on NSAC and the students who have passed through his doors.

Eligibility: Available to students entering the Bachelor of Science (Agriculture) program at Dalhousie University. Applicants must be permanent residents of New Brunswick. Selection criteria will include academic performance and financial need. Recipients cannot have received other significant awards.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$4,000

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Value: up to \$5,000 each. Students must submit application a minimum of one month before departure.

Eligibility: Available to students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Malcolm and Aileen Campbell Bursary in Pharmacy

This bursary was established in 2013 to honour Malcolm and Aileen Campbell, alumni of the College of Pharmacy, and the contributions they made to the pharmacy profession in the province of Nova Scotia. The recipient will be a student entering first year of the pharmacy program at Dalhousie who demonstrates financial need.

Eligibility: Available to students entering first year of the Bachelor of Science - Pharmacy program at Dalhousie, with preference given to a student from Pictou County. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Canadian Merit Scholarship Foundation (Loran Award)

The program was started in 1989 to identify, recognize, and reward well-rounded students who combine distinguished talents with character, leadership, potential, and a commitment to the community. In 1991 Dalhousie University became a participating member of those institutions where the CMSF National Awards (Loran Awards)

are tenable. Participating high schools may each nominate one student. The scholarship consists of \$9,000 (paid by the Foundation) and tuition (paid by the University), renewable to a limit of three additional years of undergraduate study after the first year. The scholarships are renewable on the achievement of a GPA of 3.30, plus continued evidence of the qualities of character, leadership, and service upon which the award is based.

Application Type: Contact awards@dal.ca for more information

The Bert and Betty Collins Bursary

An endowment has been established to award an annual bursary to a deserving pharmacy student from New Brunswick who demonstrates financial need and who has attained a satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick.

Application Type: Contact the Department, School, or College for more information

Costco Undergraduate Bursary

Provided by Costco Wholesale Canada Ltd. to support a student entering the Commerce or Management program.

Eligibility: Available to a student entering the Bachelor of Commerce or Bachelor of Management program directly from a high school in the Halifax Regional Municipality.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

R. Stanley Cumming Scholarship

Established through a bequest from the Estate of Marion H. Cumming, in memory of her late husband Professor R. Stanley Cumming, BA 1935. This scholarship, valued at \$20,000 (\$5,000 per year).

Eligibility: Available to students entering the Bachelor of Commerce program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$20,000

Dalhousie Alumni/Leadership Association Scholarships

A number of these scholarships, ranging in value from \$1,000 to \$2,000, are open to entering students who have achieved a good scholastic record in high school.

Candidates must have played a leadership role in extracurricular activities such as community service, student government, athletics, or the visual or performing arts.

Eligibility: Available to students entering any program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000 - \$2,000

Dalhousie Club of New York Scholarships

A fund for this purpose, established by the Dalhousie Club of New York and placed in the hands of the Board of Governors of the University, endows several scholarships open to students entering the Faculties of Arts and Social Sciences or Science from high school.

Eligibility: Available to students entering the Faculty of Arts & Social Sciences or the Faculty of science directly from high school.

Application Type: Automatic Consideration – No Application Required

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department of Athletics for more information

Dalhousie University Entrance Scholarships

Going to university is investing in your future. We want to support students who have the potential to shape our campus community. Dalhousie's entrance awards recognize academic achievement and your unique skills and abilities.

Eligibility: Available to students entering any technical or undergraduate program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$500 - \$3,000

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dean's Scholarship

Awarded to a top international applicant. Value is approximately based on international differential fees and shared residence accommodation

Eligibility: Awarded to an international student entering the Faculty of Agriculture directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$40,000 (approximately)

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in mathematics or science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

DSU Accessibility Bursary

The Dalhousie Student Union established this \$1,000 renewable bursary assistance for an entering student with a permanent disability and demonstrated financial need. This bursary is administered and awarded in combination with the Johnson Foundation Bursary. The recipient will typically receive \$1,000 from the DSU Bursary and an additional \$1,500 annually from the Johnson Foundation Bursary for a combined annual amount of \$2,500. To be considered, students must submit medical documentation regarding the nature of their disability.

Eligibility: Available to students entering any program at Dalhousie University directly from high school with a documented permanent disability.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$4,000

Jeff D and Martha Edwards Scholarship

Hugh Maccagno established this scholarship in 2007 in memory of Jeff and Martha Edwards. As a young child living in the village of Lac La Biche in northeast Alberta, Hugh Maccagno clearly recalls his father speaking to Mr. Edwards and afterwards commenting "*What a fine gentleman he is.*" Mr. Edwards, a black man dressed in a suit, tie, and hat, was in Lac La Biche coaching his baseball team from Amber Valley, Alberta. His father's words continue to inspire Hugh as they were voiced at a time when black people were subjected to so much discrimination in the US and Canada. Jeff Edwards was 21 when he and many other blacks left Oklahoma for Canada in 1910 seeking an escape from segregation and prejudice in the American South. He and his wife Martha homesteaded as pioneers at Amber Valley, raised 10 children, and contributed enormously to the community. Mr. Edwards embraced his new citizenship with pride, and when he died in 1973 at the age of 90, was remembered as a proud Canadian citizen who epitomized the spirit of black pioneers who settled the Canadian West. It is with these sentiments that Hugh Maccagno established this scholarship, which serves to provide post-secondary education to many from the large and long-established Black community of Nova Scotia.

Eligibility: Available to Black students entering any program at Dalhousie University directly from high school, with preference given to Canadian students of Black African descent, followed by native Black Bermudian students.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$12,000

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Evanov Radio Group Scholarship

Two \$2,000 scholarships will be awarded to students entering a Music degree program. Students must demonstrate artistic excellence and a commitment to performing arts in the community.

Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie. Applicants must be Canadian citizens or permanent residents of Canada.

Application Type: Contact the Department, School, or College for more information

Value: \$2,000

Facilities Management Employee Scholarship

Established by the Department of Facilities Management employees at Dalhousie, this scholarship supports up to two entering students each year who are children, grandchildren or spouses of Facilities Management Employees. Selection is based on financial need and community involvement.

Eligibility: Available to students entering any program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Fairfax Financial Holdings Limited Entrance Award

Two renewable awards of \$20,000 (\$5,000 per year) each, are awarded annually to assist worthy candidates. The scholarships were established to encourage scholastic achievement by providing an incentive to capable high school students who wish to obtain a university education and who might otherwise be prevented due to the cost of attending the university. Students will be selected on the basis of financial need but outstanding academic achievement, independently documented outstanding achievement, commitment in community and other extracurricular activities could also be influential.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be a Canadian citizen or a permanent resident of Canada.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$20,000

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

First Nations and Indigenous Black Students Scholarships

Ten renewable entrance scholarships of \$12,000 (\$3,000 per year) each are available to First Nations and Indigenous Black students. Scholarships are available to students who are applying directly from high school as well as those who have attended another post-secondary institution. Scholarships will be awarded on the basis of a student's financial need and academic standing.

Eligibility: Available to Indigenous Black and First Nations students entering any program at Dalhousie University. Applicants must be permanent residents of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$12,000

Forsyth Family Nova Scotia Scholarship

A Dalhousie Law graduate established this scholarship in support of Black high school students from Nova Scotia wanting to pursue post secondary education at Dalhousie. This is one of our highest valued scholarships for entering undergraduates at a value of up to \$20,000 per year to cover tuition, housing and books; recipients receive up to \$80,000 over four years. One entering student is selected each year based on academic excellence, financial need and demonstrated participation in extra-curricular activities, preferably leadership, and a social conscience within his or her community.

Eligibility: Available to Black students entering any program at Dalhousie University directly from high school. Applicants must be permanent residents of Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$80,000

Frederick S. Fountain Scholarship

An endowment has been established by Frederick S. Fountain to provide scholarships to students who demonstrate academic excellence.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to those in the Faculty of Arts and Social Sciences. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$32,000

R. C. Fraser Family Scholarship

Robert Clifford Fraser (or R. C., as he was known) was born in Pictou County, attended New Glasgow High School and graduated with a Bachelor of Commerce from Dalhousie in 1952. He received his CA designation in 1958 and dedicated many of his working years to Nova Scotia Power, both in Pictou County and Halifax. R. C.'s family ties to Dalhousie span many years and he enjoyed his time here tremendously.

Eligibility: Available to students entering the Bachelor of Commerce program at Dalhousie University directly from high school. Applicants must be graduates of North Nova Education Centre, New Glasgow, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Rowland C. Frazee Scholarships in Business Administration

Established by Mrs. Marie Frazee, and family, to honour the memory of her late husband Dr. Rowland Frazee (BComm 1948, LLD 1980). Dr. Frazee was an outstanding alumnus of Dalhousie University and a business leader in Canada for many decades. He joined the Royal Bank of Canada in 1939 as a bank teller and rose to the position of Chairman and CEO in 1980. He attended Dalhousie University following his overseas service in World War II and rejoined the bank in 1948. He retired in 1986 living in Saint Andrew's, New Brunswick until his passing in the fall of 2007. Two scholarships of \$5,000 each are awarded annually to students.

Eligibility: Available to students entering any program in the Faculty of Management at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$5,000

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Milton G. Green Memorial Scholarship

This scholarship was established in 1975 by Bowater Mersey in memory of the company's former President, Milton G. Green.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must have been a permanent resident of western Nova Scotia for a minimum of three years prior to application.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$8,000

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

C. D. Howe Scholarships in Engineering

The C. D. Howe Memorial Foundation has established an endowment to provide an entrance scholarship for a student who has achieved high academic standing.

Eligibility: Available to students entering the Bachelor of Engineering program at Dalhousie University directly from high school. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Where candidates are deemed to be of equal merit, preference will be extended to female students. The scholarship is renewable on an annual basis for the duration of the program.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$24,000

Mr. and Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Denton Hurdle Scholarship

This scholarship was established in memory of Denton Gordon Clifford Hurdle, born in Bermuda in 1957, who graduated from Dalhousie in 1980 with a Bachelor's Degree in Physical Education. He then returned to Bermuda and taught at Warwick Academy until his death in 1985.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to students from Warwick Academy who are entering the School of Health and Human Performance, BSc (Health Promotion), BSc (Kinesiology) or BSc (Recreation). Applicants must be Bermudian citizens.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$2,000

International Baccalaureate (IB) Prizes

Ten prizes will be awarded for the top short answer responses on the General Entrance Award Application.

Eligibility: Available to students entering any program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

International Baccalaureate (IB) Scholarships

Renewable scholarships are offered to top students entering from high school who studied the International Baccalaureate program.

Eligibility: Available to students entering any program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000 - \$20,000

Christine Irvine Memorial Scholarship

This entrance scholarship, awarded to students who have demonstrated academic excellence, was established in memory of Christine Irvine, former Dean of Women at Dalhousie, by her brother Leslie M. Irvine. First preference will be given to students from Bridgetown, second preference Annapolis Valley and third preference Nova Scotia.

Eligibility: Available to entering undergraduate students from Nova Scotia (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Samuel S. Jacobson Scholarship

Beginning in 1975 the Samuel S. Jacobson Fund has provided one or more scholarships or bursaries.

Eligibility: Available to entering and current undergraduate students in the Bachelor of Commerce program from Nova Scotia.

Application Type: Automatic Consideration – No Application Required

Johnson Foundation Bursaries

Established by the Johnson Scholarship Foundation, this endowment provides renewable bursaries annually to students entering Dalhousie with permanent disabilities and demonstrated financial need. The value of bursaries may vary from year to year. To be considered, students must submit medical documentation regarding the nature of their disability.

Eligibility: Available to students entering any program at Dalhousie University directly from high school with a documented permanent disability.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$5,000 - \$20,000

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Junior Achievement Entrance Scholarship

Awarded to a high school student entering Dalhousie who is or has been involved in the Junior Achievement Program in Nova Scotia

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$2,500

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Lockward Memorial Scholarships

These scholarships have been established from an endowment by the late Reginald and Anne T. Lockward of Liverpool, Nova Scotia. Students will be selected on the basis of academic standing, character and financial need. Recipients of renewable scholarships may have an opportunity to access further funding if later admitted to the Doctor of Medicine degree at Dalhousie.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be graduates of a high school in Nova Scotia, with preference given to those students who are permanent residents of Queen's County, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

Bazil & Madge Lund Scholarship in Business

Established by David P. Lund in honour of his parents, this scholarship recognizes academic achievement and provides financial support.

Eligibility: Available to students entering the Bachelor of Commerce program at Dalhousie University directly from high school, with preference given to students entering Dalhousie directly from a high school within Greater Moncton, New Brunswick.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,500

The A. Murray MacKay Scholarship

The Scots North British Society has established an annual scholarship. The Selection Committee will consider candidates on the criteria of academic ability, financial need and leadership. The criteria are weighted equally. The late Dr. MacKay was chairman of the School Board at the time when Queen Elizabeth High School was constructed.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be graduates of Citadel High School, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Frederick A. MacMillen Scholarships

The late Frederick A. MacMillen bequeathed to Dalhousie University a sum of money, the net income therefrom to be used for scholarships.

Eligibility: Available to entering undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Marjorie Manning Fountain Scholarships

Two non-renewable entrance scholarships are awarded to students who have demonstrated a high level of academic achievement and financial need.

Eligibility: Available to students entering any program in the Faculty of Management at Dalhousie University directly from high school. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$5,000

Harrison McCain Scholarships

McCain Foods Limited and the McCain families have a long history of charitable giving dating back to and before 1957 when the company opened its first French fry plant in the small village of Florenceville, New Brunswick. In March, 1993, the McCain Foundation was set up to better focus on their donations and to enhance the

impact of their giving on local communities. The McCain Foundation supports a wide variety of projects across the country with a particularly strong focus on communities in Atlantic Canada.

Eligibility: The Harrison McCain Foundation fund provides numerous renewable scholarships to entering high school students. Scholarships are awarded to students with demonstrated financial need, a recognized initiative to funding their own education and possess strong leadership abilities. Available to students who have graduated from a high school in Canada and who are entering the Faculty of Agriculture (excluding the Vet Tech and Pre Vet programs) or the School of Nursing directly from high school.

Application Type: See dal.ca/scholarships for more information

Application Deadline: March 1

Value: \$16,000

Helen C. McDowell Frandsen Memorial Scholarship

Up to two scholarships are awarded to applicants based on academic achievement, leadership and financial need.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to those entering the Faculty of Science and the Faculty of Arts and Social Sciences. Applicants must have been a permanent resident of peninsular Halifax for a minimum of three years prior to application.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$5,000

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Constance “Teak” McKibbin Memorial Bursary

A renewable bursary is awarded each year to a student entering Dalhousie with demonstrated financial need.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to students from Atlantic Canada who are the first in their family to attend a post-secondary institution.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

Kenneth H. McKibbin Memorial Bursary

A renewable bursary is awarded each year to a student entering Dalhousie with demonstrated financial need.

Eligibility: Available to full-time students entering any program at Dalhousie University directly from high school, with preference given to students from Atlantic Canada who are the first in their family to attend a post-secondary institution. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

Barbara and James A. McNabb Scholarship

Barbara McNabb was born in Trenton, Nova Scotia in 1919 and her husband Jim in 1912. They lived their entire lives in Pictou County. A local businessman, Jim was Mayor of Trenton for 10 years during the 1960s and was also the first pilot trained in Pictou County. An accomplished violinist, Barb played in both the Pictou County Orchestra and the Nova Scotia Symphony.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to Canadian citizens from Pictou County, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$2,000

Silvanus A. Morton Memorial Scholarship

The Silvanus A. Morton Scholarship Fund was established in 1972 to endow one or more awards. The awards are in memory of Silvanus A. Morton, Principal of the old Halifax Academy, predecessor of the Queen Elizabeth High School. The scholarship is to be awarded on the recommendation of the principal to one or more graduates of Citadel High School upon entrance to Dalhousie University in the College of Arts and Science.

Eligibility: Available to entering students in the Faculty of Arts & Social Sciences and the Faculty of Science from Citadel High School.

Application Type: Automatic Consideration – No Application Required

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father, to award scholarships to students studying in the areas of Social Sciences, Business and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

J & W Murphy Scholarship

This scholarship fund was established by the J & W Murphy Foundation to provide renewable scholarships for students entering full-time studies in any undergraduate degree program at Dalhousie University. Six renewable scholarships are awarded annually to worthy candidates based on community involvement, academic excellence and financial need.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Preference is given to applicants from Queen's County. Consideration is also given to students who are the first in their immediate family to attend university.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$40,000

Richard and Melda Murray Engineering Scholarships

This scholarship provides the financial support for two Jamaican citizens to enter and complete their Bachelor of Engineering degrees at Dalhousie. Each scholarship will cover the cost of tuition and housing to a maximum of \$22,000 per year, for the duration of each recipient's degree.

Eligibility: Awarded to Jamaican students entering the Bachelor of Engineering program.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$88,000

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in mathematics or science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Evelyn Negus Scholarship in Nursing

This scholarship is awarded annually to a student(s) entering the Bachelor of Science (Nursing). First preference will be given to mature students and to aboriginal peoples (specifically members of the Mi'Kmaq community).

Eligibility: Available to students entering the Bachelor of Science Nursing program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

W. Nelson Scholarship

Under the Will of the late Mr. William M. Nelson of Tatamagouche, funds have been made available to provide a scholarship to Dalhousie University.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be graduates of North Colchester High School, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Newfoundland and Labrador Provincial Scholarships

The Newfoundland and Labrador government, through its Department of Education, awards three scholarships.

Eligibility: Available to first year undergraduate students from Newfoundland and Labrador studying in the Faculty of Agriculture. Selection will be based on academic performance.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Nova Scotia Power Inc. University Scholarship (Faculty of Agriculture)

Selection criteria include academic performance and demonstrated involvement in extra-curricular activities.

Eligibility: Available to full-time students entering any program at the Faculty of Agriculture directly from high school. Applicants must be permanent residents of Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$6,000

Nova Scotia Power Inc. University Scholarship

Since 1995, Nova Scotia Power Inc. has sponsored an annual scholarship.

Eligibility: Available to full-time students entering any program at Dalhousie University directly from high school. Applicants must be Canadian citizens or permanent residents of Canada, and have been residents of Nova Scotia for at least three years.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$6,000

The School of Nursing BScN Entrance Scholarship for Non-Traditional Students

This entrance scholarship is awarded to the student with the highest academic standing who has come to the basic BScN program neither directly from high school nor from a full year of university. Assessment is made by the School of Nursing.

Application Type: Contact the Department, School, or College for more information

School of Nursing BScN Entrance Scholarship for Students with Prior University Experience

This entrance scholarship is awarded to the incoming student in the Dalhousie University Basic BScN program with previous university experience and the highest cumulative GPA. Assessment is made by the School of Nursing.

Eligibility: Available to an entering Bachelor of Science (Nursing) student.

Application Type: Contact the Department, School, or College for more information

The School of Nursing BScN Scholarship

This entrance scholarship is awarded to the student in the Dalhousie University Basic BScN program with the highest high school academic average.

Eligibility: Available to students entering the Bachelor of Science Nursing program at Dalhousie University directly from high school.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Warren Ogilvie Scholarship

This endowment offers two scholarships. The primary consideration in awarding the scholarship shall be outstanding academic potential and performance and second consideration shall be financial need.

Eligibility: Available to students entering the Bachelor of Commerce program at Dalhousie University directly from high school, with preference given to permanent residents of Nova Scotia for at least one scholarship.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.

Application Type: Automatic Consideration – No Application Required

Harold Oxley Scholarship

A bequest under the late Mr. Oxley's Will makes possible the funding of a scholarship.

Eligibility: Available to entering undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dalhousie Pathways to Education Award

Eligibility: Awarded upon recommendation of the Pathways to Education staff to students who have completed the Pathways program and are entering Dalhousie directly from high school.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Arthur S. Payzant Scholarship

Under the Will of the late Reverend Arthur Silver Payzant a bequest was established for scholarship purposes.

Eligibility: Available to entering undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Edward A. Perkins Memorial Bursary

Florence Perkins established this renewable bursary assistance in memory of her son, Edward A. Perkins. This bursary is available to an entering Dalhousie student with a permanent disability and demonstrated financial need. This bursary is administered and awarded in combination with the Johnson Foundation Bursary. To be considered, students must submit medical documentation regarding the nature of their disability.

Eligibility: Available to students entering any program at Dalhousie University directly from high school with a documented permanent disability.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$4,000

Poole Family Scholarship

The Poole Family Scholarship is funded by a generous annual gift from the charitable trust established by Mr. Terry Poole, BCom 1965 who now resides in Calgary, Alberta. To be eligible, candidates must demonstrate financial need and scholarship standing.

Eligibility: Available to full-time students entering any program at Dalhousie University directly from high school, with preference given to candidates who reside in Newfoundland and Labrador, Atlantic Canada, and Alberta.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$20,000

The Hugh J. Potter Scholarship

An endowment has been established to provide a scholarship to a student who has demonstrated a high level of academic achievement. The scholarship honours the memory of Joseph Hugh Potter, a native of Digby County, who showed himself to be an exceptional initiator and developer of financial and commercial activity throughout this province in the fields of insurance, securities, shipbuilding, transportation and manufacturing.

Eligibility: Available to students entering the Bachelor of Commerce program at Dalhousie University directly from high school, with preference given to permanent residents of Digby County, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$5,000

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Harold A. Renouf Scholarship

An endowment has been established to provide an annual scholarship.

Eligibility: Available to students entering the Bachelor of Commerce program directly from high school.
Application Type: Automatic Consideration – No Application Required

Residence Scholarships

Awarded to outstanding applicants applying to a program on the Halifax campus, based on academic merit, leadership and extracurricular involvement.
Eligibility: Available to students entering any program at Dalhousie University directly from high school.
Application Type: General Entrance Award Application
Application Deadline: March 15
Value: \$6,000

Residence Scholarships (Agriculture)

Awarded to outstanding applicants applying to a program on the Truro campus, based on academic merit, leadership and extracurricular involvement.
Eligibility: Available to students entering any program at the Faculty of Agriculture directly from high school.
Application Type: General Entrance Award Application
Application Deadline: March 15
Value: \$4,500

Lawrence and Mildred Ridgway Scholarship

This scholarship is awarded on the basis of performance excellence to a student entering university for the first time directly from high school into a course of study leading to an undergraduate degree in music performance. It was established by Karen Woolhouse and Judith Wells in memory of their parents, who lived in Halifax for many years, enjoyed music, and were proud that their two daughters graduated from Dalhousie.
Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie.
Application Type: Contact the Department, School, or College for more information
Value: \$1,000

Cicero T. Ritchie and Hazel Robertson Scholarship

This scholarship was created at the bequest of Hazel Robertson in memory of her husband, a Dalhousie graduate. This entrance renewable scholarship is awarded each year.
Eligibility: Available to full-time students entering the Bachelor of Science program at Dalhousie University directly from high school. Applicants must be graduates of Dartmouth High School, Nova Scotia.
Application Type: General Entrance Award Application
Application Deadline: March 15
Value: \$6,000

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Effie May Ross Scholarships in Music

An endowment fund, established under the will of the late Effie May Ross, supports scholarships to outstanding vocalists or instrumentalists with 'advanced standing' in degree programs in Music. Scholarships range in value and number and are awarded at the discretion of the School.
Application Type: Automatic Consideration – No Application Required

Calvin Ruck Scholarship

This scholarship is for BSW and MSW African Nova Scotian students who have demonstrated a desire to improve the social conditions and further the interests of African Nova Scotian/Canadian people and their communities through the study and practice of Social Work. Careful consideration will be given to the purposes and vision of NSAACP and to the qualities of courage, generosity, persistence, and leadership that characterizes Dr. Ruck's life and work.
Eligibility: Available to current Black students in the Bachelor and Master of Social Work programs at Dalhousie. Applicants must be residents of Nova Scotia.
Application Type: Contact the Department, School, or College for more information

The S & L Bursary

This bursary was established to provide financial assistance for a student with demonstrated financial need who is entering Dalhousie directly from high school. Students must be graduates of a high school in one of the following counties: 1) Colchester; 2) Guysborough; 3) Cumberland; or Pictou County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Seymour Schulich Scholarships in Computer Science

Seymour Schulich, one of Canada's leading philanthropists, established this scholarship fund in 2008 to honour his wife Tanna Goldberg Schulich and her family. The fund provides four renewable scholarships; two based on academic achievement and two based on community involvement. In addition, several one-time scholarships are awarded to students based on academic achievement and community involvement.
Eligibility: Available to students entering any program in the Faculty of Computer Science at Dalhousie University directly from high school.
Application Type: General Entrance Award Application
Application Deadline: March 15
Value: \$41,900

Shad Valley Scholarships

Two renewable scholarships are offered to top high school applicants who have participated in Shad Valley.
Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must have participated in Shad Valley.
Application Type: General Entrance Award Application
Application Deadline: March 15

Value: \$16,000

Shatford Memorial Trust Scholarships

The J. D. Shatford Memorial Trust established a scholarship endowment fund in 1976 to provide assistance with the costs of attendance at Dalhousie University. The University's fund is independent of any other such trusts. Candidates must fulfill the following conditions: a) be coming directly to Dalhousie from high school, b) be undertaking studies leading to their first baccalaureate degree and c) be a bona fide resident of the bequest area (in Hubbards, Nova Scotia area) for at least three years prior to applying to Dalhousie. A candidate's satisfaction of the residency requirement is confirmed by the J. D. Shatford Trust Advisory Committee in Hubbards. Eligibility: Available to current undergraduate students and students entering directly from high school who live in the Shatford Trust Area as defined by the Trust. Application Type: Automatic Consideration – No Application Required

Sigma Chi Leadership Award

The Sigma Chi Leadership Award recognizes the qualities of entering students who meet the standards of Sigma Chi membership, as described by the Jordan Standard: being of high character, a student of fair ability, with ambitious purposes, a congenial disposition, possessed of good morals, having a high sense of honour, and a deep sense of personal responsibility. Eligibility: Available to students entering any program at Dalhousie University directly from high school. Application Type: General Entrance Award Application Application Deadline: March 15 Value: \$1,000

Alexander Sinclair Scholarship

Under the Will of the late Evangeline Marion Winn, the University received an endowment for the purpose of providing scholarship awards to qualifying students from St. Mary's Municipality, Guysborough County, Nova Scotia. Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be graduates of St. Mary's Rural High School, Nova Scotia. Application Type: General Entrance Award Application Application Deadline: March 15 Value: \$16,000

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community. Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa. Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Application Type: General Online Bursary Application Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics. Eligibility: Available to current undergraduate students in the Faculty of Science. Application Type: Automatic Consideration – No Application Required

Dr. David M. Sloan Scholarship

Under the Will of the late Dr. David M. Sloan the University received a sum of money. The Board of Governors decided that the gift be used to provide one or more entrance scholarships in the College of Arts and Science. Eligibility: Available to entering students in the Faculty of Arts & Social Sciences or the Faculty of Science. Application Type: Automatic Consideration – No Application Required

Katherine (Norman) Spavold Scholarship

In honour of the memory of Katherine (Norman) Spavold, and to recognize academic and other achievements of students. Eligibility: Available to students entering the Bachelor of Arts program in the Faculty of Arts and Social Sciences at Dalhousie University directly from high school. Applicants must have graduated from a rural high school in Nova Scotia. Application Type: General Entrance Award Application Application Deadline: March 15 Value: \$2,000

Stanley William Spavold Scholarship

The purpose of this scholarship is to honour the memory of Stanley William Spavold (BA 1951, MA 1953) and recognize the achievements of students entering Dalhousie from Halifax West High School. Mr. Spavold became head of the Social Science Department at Halifax West in 1968 and was later named Vice Principal. This scholarship is awarded to a student who has demonstrated high academic achievement and a well-rounded approach to their academic and extracurricular activities. Eligibility: Awarded to a student entering the Faculty of Arts & Social Sciences or the Faculty of Management directly from Halifax West High School. Application Type: General Entrance Award Application Application Deadline: March 15 Value: \$1,500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where

she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The I. C. Stewart Trust Fund

From the Estate of Georgie M. Stewart came a trust fund, the annual income from which is to be used for I. C. Stewart Scholarships to qualifying students from St. Mary's District in the County of Guysborough, Nova Scotia.

Eligibility: Available to students entering any program at Dalhousie University directly from high school. Applicants must be graduates of St. Mary's Rural High School, Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

L. A. and Edith Upham Scholarship

A renewable scholarship has been established to recognize the long association of the Upham family with Dalhousie University.

Eligibility: Available to students entering any program in the Faculty of Arts and Social Sciences at Dalhousie University directly from high school. Applicants must be graduates of a high school in Nova Scotia.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$20,000

The J. Douglas Vair Scholarship

This scholarship is available to students entering the University for the first time from Pictou County, Queen's County, and rural Halifax County. Failing a candidate from these areas, a student from other areas of Nova Scotia may be selected at the discretion of the Scholarship Committee. The award shall be based on scholarship and need, making it possible for a promising student to obtain a university education.

Eligibility: Available to an entering undergraduate student from Nova Scotia (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marguerite I. Vernon Scholarship

A trust has been established under the Will of the late Marguerite Vernon whereby, from time to time, a scholarship will be assigned to Dalhousie University for an entering student.

Eligibility: Available to an entering undergraduate student from Nova Scotia (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Ann and Ian Vessey Scholarship

This endowment provides a scholarship to a student entering studies in any undergraduate program. Both J. Ian Vessey and Ann M. Vessey (nee Aylward) graduated from Charlottetown Rural High School in 1977.

Eligibility: Available to students entering any program at Dalhousie University directly from high school, with preference given to a student who is graduating from Charlottetown Rural High School, Charlottetown, PEI.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$1,000

Walker Wood Foundation Science Bursary

The Walker Wood Foundation established this bursary in support of a student with demonstrated financial need.

Eligibility: Available to students entering the Bachelor of Science program in the Faculty of Science at Dalhousie University directly from high school, with preference given to students from high schools within Atlantic Canada.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$16,000

F. W. Walsh Memorial Scholarship

Frederick Waldemar (Waldo) Walsh (1897-1984) was born in Moncton, New Brunswick, and spent his boyhood in Coverdale, New Brunswick, on the family farm. He attended the Nova Scotia Agricultural College (now Dalhousie University, Faculty of Agriculture) (Class of '17) and O.A.C. (Class of '22) and worked as Superintendent of Agriculture for the C.N.R. until 1934 when he became senior agriculturalist with the Nova Scotia Department of Agriculture, until his retirement as Deputy Minister in 1962. After his passing, his three sons Robert, Jack, and Fred set aside money, the interest of which would provide a memorial scholarship for a deserving young man or woman entering the degree course at the Faculty of Agriculture.

Eligibility: Available to students entering first year of any undergraduate degree program at the Faculty of Agriculture. Selection is based primarily on academic performance. Financial need and participation in school and community affairs will also be considered.

Application Type: General Entrance Award Application

Application Deadline: March 15

Value: \$500

Sonja R. Weil Memorial Bursary

Family and friends established this endowment in memory of Sonja Weil and in tribute to her work as a social worker and psychotherapist. This bursary is open to students in the BSW and MSW programs, although first priority is given to graduate students who demonstrate financial need, satisfactory academic standing and interest in those areas which most closely reflect Sonja Weil's work in child and family therapy.

Eligibility: Available to current students in the Bachelor and Master of Social Work programs at Dalhousie, with preference given to graduate students.

Application Type: Contact the Department, School, or College for more information

F. Hume Wells Scholarship

This scholarship of \$1,000 is awarded on the basis of performance excellence to a student entering university for the first time directly from high school into a course of study leading to an undergraduate degree in music performance. It was established by Judith Wells and Karen Woolhouse in memory of F. Hume Wells, a businessman in Halifax, who was interested in music and thought university education was important.

Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Women's Division of the Dalhousie Alumni Association Scholarships

This fund provides two entrance scholarships; one is named the Margaret Florence Newcombe Scholarship, which commemorates the 100th anniversary of the graduation of the first woman graduate of Dalhousie University in 1885. The second scholarship is named the Ruth Skaling Murray Scholarship, in memory of a dedicated alumna of the Dalhousie Women's Division.

Eligibility: Available to entering undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Don Wright Scholarship of Excellence

This annual scholarship funded by the Lillian and Don Wright Foundation, supports outstanding students who are entering the Fountain School of Performing Arts in a Music degree program. While preference shall be given to awarding the scholarship to one student per year, if no one student merits the awarding of the scholarship, the awarding committee has the authority to award two scholarships to students who have applied and been accepted to study Music within the School. Where there is more than one eligible candidate, first preference shall be given to the candidate deemed to have the most merit as judged by a majority of the Fountain School of Performing Arts scholarships committee.

Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Christine Zinck Scholarships

Four scholarships awarded annually in each of the four streams of Theatre: Acting, Costume Studies, Scenography and Technical Theatre and Stage Design and Theatre Studies.

Application Type: Automatic Consideration – No Application Required

In-Course Awards

How to use this Section

The term 'awards' in this section is a general term encompassing scholarships, bursaries, awards, prizes, medals, fellowships, and studentships. To see a list of awards that you may be eligible for, select your Faculty or College from the list on the right. You may also have the option to select a department within a faculty. Students who have yet to choose a major or belong to a Faculty of College that does not have Departments should select their Faculty or College, and then 'All Faculty Awards'.

The awards listed under the Department and 'All Awards' pages include those administered centrally (by the Registrar's Office, International Centre, and other units) as well as those administered within faculties and departments.

General Information

Dalhousie In-Course Scholarships

All undergraduate Dalhousie students not on a renewable scholarship, in eligible programs in the Faculties of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, and Science, and the Dental Hygiene program, who have completed a full course load (a minimum of 30 credit hours) over two terms within the previous academic year and achieved a minimum SGPA of 3.70 will be considered eligible for in-course scholarships. Co-op students who are on a work term during the calendar year must also complete 30 credit hours over two terms and achieve a passing grade in their work term to be eligible. Co-op students completing two work terms within one academic year must complete a minimum of 15 credit hours during their one academic term, achieve a minimum term GPA of 3.70, and achieve passing grades in both work terms, to be considered eligible. In those cases where students have taken more than 30 credit hours, assessment is based on all courses taken within the term(s) being assessed. Transfer credits do not count towards the credit hours reviewed for scholarship assessment. In-Course Scholarship assessment takes place over the summer months. Scholarship recipients will be notified by Dalhousie email.

Students registered in Graduate Studies, Medicine, Dentistry (with the exception Dental Hygiene Students), or Law are ineligible to receive in-course scholarships or renew an existing scholarship.

Dalhousie Undergraduate Bursary Program

The University's bursary program is intended as possible supplementary assistance to help qualifying students with a portion of their educational costs.

The University has funds for the purpose of assisting its students who may face certain types of financial situations. These bursaries are awarded primarily on the basis

of demonstrable need as determined by the appropriate University office or committee, satisfactory academic standing (see as defined in Academic Regulations) is also expected. Students whose financial needs are exceptionally large and/or students whose academic standing is unsatisfactory may not be assisted. Normally, bursaries will be awarded only to students who have availed themselves of assistance under the Canada Student Loan Program and/or corresponding provincial or territorial loan programs or bank loans. Normally, receipt of the first installment of such funding is a prerequisite to the University's consideration of an application for bursary assistance. Students may access the bursary program for a maximum of five years.

Faculty of Agriculture In-Course Awards Program

The Faculty of Agriculture has its own in-course award program (including bursaries), typically due in the fall term. Most Faculty of Agriculture awards require a single application. More information is available at dal.ca/scholarships.

Golden Key International Honour Society

Dalhousie University has a participating chapter in the Golden Key International Society. The Golden Key Society is an academic honours society that recognizes the academic achievements of students. The society provides scholarships and leadership opportunities and career assistance to its student members. Students are invited to become members based upon criteria established by the society. For information please refer to the society's website: goldenkey.org.

College of Continuing Education

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All CCE Awards

Morris Saffron Prize

A bequest under the will of the late Morris Saffron established an endowment to provide an annual prize to a student in the Transition Year Program who is judged to have made the greatest academic achievement during the year.

Application Type: Automatic Consideration – No Application Required

Jonathan Skeete Memorial Prize

Friends, faculty and former students of the Transition Year Program have established an endowment from which to fund an annual prize. The award honours the memory of Jonathan Skeete who, following completion of the TYP, graduated with a BComm degree and then served several years with the RCMP. An annual prize is available to a Black student who is enrolled in the Transition Year Program.

Eligibility: Available to current Black students in the Transition Year Program at the College of Continuing Education.

Application Type: Contact the Department, School, or College for more information

Transition Year Program

Morris Saffron Prize

A bequest under the will of the late Morris Saffron established an endowment to provide an annual prize to a student in the Transition Year Program who is judged to have made the greatest academic achievement during the year.

Application Type: Automatic Consideration – No Application Required

Jonathan Skeete Memorial Prize

Friends, faculty and former students of the Transition Year Program have established an endowment from which to fund an annual prize. The award honours the memory of Jonathan Skeete who, following completion of the TYP, graduated with a BComm degree and then served several years with the RCMP. An annual prize is available to a Black student who is enrolled in the Transition Year Program.

Eligibility: Available to current Black students in the Transition Year Program at the College of Continuing Education.

Application Type: Contact the Department, School, or College for more information

College of Sustainability

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

Note to ESS Students

Students in any Environment, Sustainability and Society (ESS) Major program are eligible for awards from the list linked below. This list includes all awards that are

exclusive to ESS students as well as all university-wide awards. More information about College of Sustainability awards that require an application can be found on the College of Sustainability [website](#).

ESS double major students are also eligible for awards from their other major subject. Please refer to the appropriate department list, grouped by Faculty, on the right side menu.

Bachelor of Management students in the ESS Major are also eligible for awards from the Faculty of Management.

All College of Sustainability Awards

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Deborah Buszard Prize

This prize is awarded annually in March to an Environment, Sustainability and Society student who has contributed significantly to academic life in the College of Sustainability. Faculty members nominate students to the Awards Committee.

Application Type: Automatic Consideration – No Application Required

Deborah Buszard Bursary

The Deborah Buszard bursary supports third- or fourth-year ESS students who wish to participate in an international internship or experiential learning opportunity with the College of Sustainability but are unable to do so due to financial circumstances. Application information is available on the [College of Sustainability](#) website.

Eligibility: Available to current students at the College of Sustainability at Dalhousie in good academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: March 15 and October 31

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society Academic Improvement Prize

This prize is awarded annually in March to an ESS student in her/his fourth year of study who has shown the most academic improvement in her/his course work throughout the degree.

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society First-year Prize

This prize is awarded annually in March to an ESS student in their second year of study who had the highest GPA in their first year courses at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society Second-year Prize

This prize is awarded annually in March to an ESS student in their third year of study who had the highest GPA in their second year courses at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society Student Travel Award

A fund has been established to support ESS students for travel with grants. Application information is available on the [College of Sustainability](#) website. Students submit a cover letter and budget to the College of Sustainability Awards Committee. The cover letter should explain how the proposed travel will contribute to research experiences or to the application or expansion of the undergraduate academic experience. The budget should include all expected sources of income (including other successful and unsuccessful grant applications) and a list of expected experiences.

Eligibility: Available to current students at the College of Sustainability at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Application Deadline: March 15 and October 31

Value: \$300-\$500

Environment, Sustainability and Society SUST-star Prize

This prize is awarded annually to the ESS student graduating with the highest average in all SUST classes.

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society Thesis Prize

This prize is awarded annually to the student that is judged to have submitted and defended the best Honours thesis.

Application Type: Automatic Consideration – No Application Required

Environment, Sustainability and Society Rookie-of-the-year Prize

This prize is awarded annually in March to an ESS student in their first year of study who has contributed significantly to life in the College of Sustainability. Faculty members nominate students to the Awards Committee.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Vince Ginley Scholarships

A fund has been established to provide one or more annual scholarships for third and fourth year students enrolled in the Environment, Sustainability and Society Major/Honours degree, based on academic achievement in the previous year.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or

equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare

Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Ambury and Victoria Stuart International Internship Bursary

This bursary provides one or more annual international internship bursaries for second or third year students enrolled in the Environment, Sustainability and Society (ESS) undergraduate program of the College of Sustainability. Application information is available on the [College of Sustainability](#) website.

Eligibility: Available to current students at the College of Sustainability at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Application Deadline: March 15 and October 31

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.
Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.
Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Environment, Sustainability and Society

The College of Sustainability offers to the top First Class Honours graduate a medal in recognition of superior achievement in Environment, Sustainability and Society.
Awarded at Convocation.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Agriculture

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Agriculture Awards

Faculty of Agriculture Alumni Family Scholarships

In celebration of the fact that many students at the Faculty of Agriculture are family members of AC Alumni, the Alumni Association decided to establish a Family Bursary for the first time in 2008. There are several bursaries available for family members of Alumni attending the Faculty of Agriculture.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500 - \$1,000

Faculty of Agriculture Athletic Bursaries

Awarded to returning student varsity athletes.

Eligibility: Available to current student varsity athletes in any undergraduate program in the Faculty of Agriculture. Applicants will have demonstrated financial need, satisfactory academic standing, and be recommended for the award by a coach.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Faculty of Agriculture Bursaries

The Faculty of Agriculture has established a fund which will provide bursaries to assist students in need of financial assistance. Students in need of financial assistance can apply for a bursary on an ongoing basis throughout the academic year.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) who have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Animal Nutrition Association of Canada (Atlantic Division) Scholarship

The Animal Nutrition Association of Canada (Atlantic) Scholarship was established in 1989 for a student who successfully completes their second year of B.Sc. (Agr.) program. The Animal Nutrition Association of Canada (ANAC) is the national trade association of the livestock and poultry feed industry. The 170 members include feed and ingredient manufacturers and distributors, as well as suppliers of a wide range of goods and services to the feed industry. Taken together, ANAC's membership represents 90 percent of commercial feed manufactured in Canada.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program who have demonstrated leadership in student and community affairs, strong academic performance, and who are not receiving other scholarships of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ralph H. Armstrong Memorial Award

Established in memory of Ralph Armstrong of North Kingston, Kings Co., Nova Scotia. Ralph was well known for his breeding of dual-purpose Shorthorns and marketing of livestock. His prize Shorthorns had been exhibited under the Brookmont Farms name for more than 30 years at Exhibitions throughout Nova Scotia, the Royal Winter Fair in Toronto, and in the 1980 World Shorthorn congress in Calgary. Mr. Armstrong was an honoured member, Secretary and Past President of the Nova Scotia Shorthorn Association, Vice President of the Annapolis County Exhibition, Past Director of the Atlantic Winter Fair and Past Director of the Maritime Shorthorn Association.

Eligibility: Available to former or current 4-H club members from Kings or Annapolis Counties in Nova Scotia who have completed their first year of study in any undergraduate program at the Faculty of Agriculture. Selection is based on financial need and involvement in school, athletic and/or community organizations.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$400

Associate Dean's Scholarship

Established by the Faculty of Agriculture and has built on a proud history of industry-leading education and research.

Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program. Awarded based on academic merit.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Atlantic Council of Crop Life Canada Awards

CropLife Canada is the trade association representing the manufacturers, developers and distributors of plant science technologies, including pest control products and plant biotechnology, for use in agriculture, urban and public health settings. They strive to ensure that the benefits of plant science innovations can be enjoyed by both farmers and consumers. CropLife Canada promotes sustainable agricultural practices and are committed to protecting human health and the environment.

Eligibility: Available to current students in the Diploma of Technology programs in the Faculty of Agriculture. Recipients will be from agricultural backgrounds and plan to pursue employment in the agricultural sector. Preference is given to students whose backgrounds, course and project work, summer employment, and career plans reflect an interest in the crop protection industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Atlantic Farm Mechanization Show Scholarship

The Atlantic Farm Mechanization Show is an event that is held bi-annually that mainly focuses on the newest, innovative ideas in the agricultural industry. Farming has changed dramatically over the last few decades. New farming ventures are becoming increasingly popular, from large tract farms that are operated by multi-nationals, to small individual bed plots. According to The Atlantic Farm Mechanization Show, “innovation has always been the most powerful tool in a farmer’s tool box and will continue to be so into the future.”

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) in Integrated Environmental Management program at the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Fertilizer Council Award

Eligibility: Awarded to a student from Atlantic Canada in the second year of a diploma program related to crop protection. Selection criteria include farm interests, leadership qualities within the University community, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

Atlantic Land Improvement Contractors Association Award

The Atlantic Land Improvement Contractors Association Bursary was created by ALICA for engineering students with a keen interest in soil, water and land improvement. ALICA acknowledges that the cost of tuition is becoming increasingly high which makes it difficult for many students to attend University. The Board of Directors voted to begin a scholarship fund in 1990 and the scholarship has been active and helping students with their post-secondary education ever since.

Eligibility: Available to students in the Diploma of Engineering program in the Faculty of Agriculture with a demonstrated ability and interest in soil, water, and land improvement.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$800

Atlantic Poultry Incorporated Scholarship

The Atlantic Poultry Incorporated Scholarship was created in 2012. API (formerly ACA Co-operative Limited) has had many changes over the years. Most recently becoming incorporated in March 2012 and then in 2013 growing the company with the purchase of Clarks Chick Hatchery in New Brunswick and Island Chick Hatchery in Newfoundland.

Eligibility: Awarded to a student enrolled in the BSc(Agr) degree, with preference to a student pursuing an Animal Science major. The recipient will have graduated from a high school in Atlantic Canada, and demonstrate strong academic performance and a career interest in poultry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Poultry Conference Award

The Atlantic Poultry Conference is the key meeting place for producers and service providers to gather and discuss and share their news, the Conference is held once per year. Speakers who attend the Conference address a number of topics that cover: ventilation, energy, health, reducing feed costs, transportation, eggs, chickens and turkeys.

Eligibility: Awarded to a student whose course and project work reflect an interest in poultry. Preference will be given to final year students in the BSc(Agr) program who have either completed or have plans to complete a poultry-related research project in RESM 4002 and RESM 4003. This scholarship is awarded in odd years.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General’s Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Paul Babineau Memorial Scholarship

The Paul Babineau Memorial Scholarship was established by the Atlantic Farm Mechanization Show in memory of Paul, a former Director of the Atlantic Farm Mechanization Show. Paul was the owner and operator of Babineau Equipment Ltd, he was a 4-Wheeler enthusiast, and a director with the Atlantic Farm Mechanization Show.

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) Integrated Environmental Management programs in the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career

in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dr. Roger S. Bacon Scholarship in Agriculture

Dr. Roger S. Bacon was a dairy farmer and blueberry producer from Cumberland County, Nova Scotia. He was also a long standing MLA from this area. During his political career, he was a well-respected and long serving Minister of Agriculture and for a time Premier of Nova Scotia. In keeping with his lifetime interest and service to Agriculture, Dr. Bacon has made a donation to establish an endowed fund to support a new scholarship at the Faculty of Agriculture.

Eligibility: Awarded to a Nova Scotia student entering the final year of any program at the Faculty of Agriculture who has plans to pursue a long term career in agriculture. Selection criteria include career plans, academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Doug Bailey Memorial Bursary

Doug Bailey had a lengthy and successful career at Farmers Dairy. It began at what is now known as the Middleton Spreads Plant in 1968 when Twin Cities Dairy acquired J.D. MacKenzie's Limited. Doug held many managerial positions over the years, including General Manager of the Truro Cheese Plant and Vice-President and General Manager of Central Dairies in Newfoundland. He was appointed President and Chief Executive Officer of Farmers Dairy in 1987, a position he held until his death in 1996. One of Doug's greatest strengths was his leadership ability, which he demonstrated not only with Farmers Dairy but also throughout the industry. The Farmers Dairy Board of Directors established this Bursary in memory of Doug.

Eligibility: Awarded to a technical, undergraduate, or graduate student at the Faculty of Agriculture who is a family member of a Farmers Dairy shareholder or employee. Selection criteria include leadership, extracurricular and community activities, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

A. B. Banks Memorial Scholarship

This scholarship is given by friends and family in memory of A.B. Banks, a former Director of Livestock Services Branch, Nova Scotia Department of Agriculture and Marketing. Mr. Banks was highly dedicated to the agricultural industry throughout his 35 year career in Nova Scotia and elsewhere in Atlantic Canada. He was born and raised in the Annapolis Valley and graduated from the former Nova Scotia Agricultural College and the Ontario Agricultural College. His career included service with the Canada Department of Agriculture, the Newfoundland Department of Agriculture and Forestry and the Nova Scotia Department of Agriculture and Marketing. As one of the first agricultural representative in Nova Scotia, he served the counties of Colchester, Halifax, and Cumberland. He was a strong advocate of improved farm management skills and believed this to be an important key to improving agricultural production.

Eligibility: Awarded to the second year BSc(Agr) Animal Science student with the highest average from the first year of study.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bible Hill Garden Club Scholarship

The Bible Hill Garden Club, originally referred to as Hillcrest Landscape Club was first organized in January of 1947. The group was created to promote the improvement of home grounds, assist in the beautification of community grounds, local parks and schools. Over the years, the group has gained popularity and has grown from 17 members to over 60, mostly women who range in age of 50-60. The group contributes to the Faculty of Agriculture through help supporting students with the bursary they have created.

Eligibility: Available to current students who are permanent residents of the Truro area, in any undergraduate program at the Faculty of Agriculture, with preference given to students in at least the second year of study in Horticulture, preferably a landscape program. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

David W. Brown Memorial Scholarship

The David W. Brown bursary is an ongoing demonstration of appreciation to the foundation of the David Brown United Limited by Atlantic Poultry Incorporated formerly ACA Cooperative Limited. Initiated in November 25, 1976; the company has continued to fund an annual memorial scholarship.

Eligibility: Available to students who have graduated from a high school in Atlantic Canada and who are entering the second year of a technical program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, an interest in farming, and an interest in the poultry industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Edward Brown Memorial Undergraduate Bursary

The Edward Brown Memorial Undergraduate Scholarship was created in memory of Edward Brown under the estate of his wife, Dorothy Aveleigh Brown. Edward attended the Agricultural Campus and graduated in 1954.

Eligibility: Available to a Bachelor of Science (Agriculture) student, with preference to a student in the fourth year of study from Atlantic Canada.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Merle Cail Memorial Scholarship

The Merle Cail Memorial Scholarship Fund was created by Merle's wife, Faye Cail in memory of Merle's dedication to organic agriculture. Born in Rexton, New Brunswick, Merle was heavily involved in his community. He attended Zion Presbyterian Church, was director of Northumberland Co-operative and Cartier Co-operative, member of the Kent Agriconservation club, Moncton Holstien Association, Kent Farmers Association, Dairy Farmers of NB, and many more. Merle also had a dedicated career as a farmer.

Eligibility: Awarded to a senior undergraduate or graduate student from Atlantic Canada studying in the Faculty of Agriculture whose course and project work reflect

an interest in organic agriculture. Selection criteria include academic performance, financial need and commitment to organic agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Vera Caldwell Memorial Bursary

Vera Caldwell was born on June 3rd, 1924 in Hants County. She was a very devoted and involved member of the Newport United Church, serving as a Steward, Sunday School Teacher, and as a Youth Group Leader. Vera taught school for more than 25 years, first beginning in a one-room schoolhouse and ending her career at Brooklyn District Elementary School in 1989. As shown by her achievements, Vera was dedicated to the educational system and being a life-long learner. She was passionate about international education and actively supported education for children from developing nations. Due to her sincere involvement and passion in the educational system, a bursary has been created in her memory.

Eligibility: Awarded based on financial need to full-time technical or undergraduate international students at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Canadian Agricultural Economics Association Prize

The Canadian Agricultural Economics Association presents a book prize to a graduating student from the Agricultural Economics or Agricultural Business option of the BSc (Agr) program. This prize is selected on the basis of overall performance.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Animal Science Prize

The Canadian Society of Animal Science presents a prize selected on the basis of outstanding scholarship.

Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program at Dalhousie University. Applicants must be Animal Science or Aquaculture majors.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Canard Conservation Undergraduate Scholarship

Dr. Charles Albert Eaves was born February 21st, 1908 in Liverpool England. Charles immigrated to Canada in March 1926 and in 1932 received his B.Sc. from McGill. In 1933 he attended Cambridge University on an I.O.D.E overseas scholarship before returning to McGill to receive his MSc. degree in 1937. On October 25, 2000, he received an Honorary Doctorate from Dalhousie University and the former Nova Scotia Agricultural College, now Dalhousie Faculty of Agriculture. The Canard Conservation Scholarships were established by Dr. & Mrs. Eaves to provide a graduate and undergraduate scholarship each year for students of Kings County focusing on environmental studies related to agricultural practices with particular reference to dyke land preservation and the general conservation of soil and water reserves.

Eligibility: Awarded to a student who is a permanent resident of Kings County, Nova Scotia, in the first or second year of the Bachelor of Science (Agriculture) program who is planning course and/or project work related to the environment. Selection criteria include academic performance, demonstrated interest in the environment, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

James Card Memorial Bursaries

James Card was born in Windsor, Nova Scotia on October 12, 1924. He was a life-long farmer in Centre Burlington and was a former West Hants Municipal Councillor and was also a 4-H Club leader. As a part of James estate, three awards have been sponsored in his memory.

Eligibility: Awarded to students in financial need, with preference to international students, who are studying at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 3 @ \$1,000

Chartwells Scholarships

Chartwells is a catering/food service company that specializes in providing services to higher education students. They are committed to providing programs and solutions to students to fit their unique needs and requests. Chartwells understands that a well-balanced diet is integral to an individual's state of mind and long-term happiness. Providing students with a high-quality food service isn't the only commitment Chartwells has made, they also offer multiple scholarships for both graduate and undergraduate programs.

Eligibility: Available to current students with high academic performance in any undergraduate program in the Faculty of Agriculture at Dalhousie who have not received other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gerard Chiasson Memorial Award

Gerard Chiasson was born in 1931 in Margaree Forks, Inverness County, Nova Scotia. Gerard was very involved in outdoors activities, he was a farmer, fisherman and lumberman. He was also very involved in his community, he was a past president of the N.S. Woodlot Owners Association and The N.S. Federation of Agriculture, Inverness County Federation of Agriculture, Margaree Credit Union, Margaree Gasperaux Fisherman Association, and Eastern Dairy Foods Co-op. He was former chief of the Margaree Volunteer Fire Department, former chairman of the Margaree River and Community Protection Community, former member of the board of N.S.

Volunteer Planning and was also the president of the N.S. Landowners and Forest Fibre Productions Association. As a result of Gerard Chiasson's sincere commitment and his lifetime of contributions to the Nova Scotia Federation of Agriculture and community organizations, a scholarship has been created in his memory.

Eligibility: Available to upper-year students in any undergraduate program in the Faculty of Agriculture who are residents of Cape Breton (with preference given to those from Inverness County). Selection criteria include financial need, involvement in community activities, and leadership.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Chicken Producers of Nova Scotia Award

Eligibility: Available to current students from Nova Scotia in any undergraduate program in the Faculty of Agriculture at Dalhousie. Applicants will demonstrate interest in pursuing the study of poultry. Preference will be given to applicants with a farming background. Students may not receive this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Donald E. Clark Memorial Scholarship

Professor Clark was born in Luchow, China in 1923 and came to Canada at the age of 15 months. In 1951 he graduated from the Ontario Agricultural College, B.S.A. (Honours). In 1962 while a member of the teaching staff at O.A.C. he received his M.S.A. from the University of Toronto. In 1968 he accepted a position with the NSAC as an Associate Professor and Head of the Agricultural Engineering Department. Donald was well known for his work with sprayers and zero tillage for corn production. He also served with distinction on such committees as the Canada Weed Committee, the Atlantic Herbicide Committee and the Atlantic Agricultural Engineering Committee. As a Professional Engineer and Agrologist, Donald was a charter member of the Canadian Society of Agricultural Engineers and in 1976 was elected President of this organization. As a result of Professor Donald E. Clark's sincere commitment to his chosen field of study, and his lifetime of contributions to both the NSAC and the Engineering community, a scholarship has been created in his memory.

Eligibility: Available to current students in their final year of the Diploma of Engineering program in the Faculty of Agriculture. Selection criteria include academic performance, interest, and aptitude in the engineering field.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check moneymatters.dal.ca for application deadline

Value: \$500

Class of 1950 Award Fund

The Class of '50 Award was first established in 2000 at the Class of 1950, 50th anniversary weekend celebration. President, Don Young and Vice-President, Jack Johnson spearheaded the campaign to get their classmates involved in their commitment to help future AC students. The group recognizes the difficulty that young students face to finance their post-secondary education, as they too faced similar challenges. After a great deal of preparatory work from Don, Jack and Cliff McIsaac, a proposal was created for the Class of '50 Award fund of to assist deserving students to "stick with it." The group of classmates have made and continue to make significant contributions to the campus and students.

Eligibility: Available to current students in financial need in any technical or undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Colonel Charles Coll Memorial Scholarship

The Colonel Charles Coll Memorial was established in memory of Col. Charles Coll Sr. He was the inventor, owner and president of Muskol Enterprises Limited. He manufactured and sold Muskol insect repellent first from his basement in his Truro, Nova Scotia home and later from his manufacturing plant in Hilden, just outside of Truro. In 1957 Charles concocted a perfume to apply to clothing while deer hunting and later registered a company. The deer lure was used by regular deer hunters, bow hunters, wildlife photographers and naturalists. Charles named the ingredient "Muskol" which derives from musk, an ingredient in the lure and the phonetic last name Coll. Federal and Provincial Departments of Fisheries, Resources, Mines, as well as many sportsmen and outdoors people still continue to use the Muskol Insect Repellent.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) Animal Science program. Selection criteria include academic performance, involvement and interest in poultry, and achievement and contribution to 4-H.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Charles M. Collins Memorial Scholarship

The scholarship is in memory of Charles McKittrick Collins who spent the years 1936-1962 working in various positions in the agricultural industry in Nova Scotia, including teaching at Dalhousie's Agricultural Campus for twenty-five years. Collins Horticultural Building on the Dal-AC campus is named in his honour as well.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in the Bachelor of Technology program in Environmental Landscape Horticulture who have not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

George and Lottie Cook Memorial Scholarship

Lottie Cook first developed her passion for agriculture on her family farm on Cape Breton Island. Lottie's parents were pioneers in the agricultural industry, and her father a renowned farmer. At a young age Lottie became involved in 4-H where she achieved some of the club's top honours. She later graduated from the former Nova Scotia Agricultural College and worked as an assistant agricultural representative to J.C.F MacDonnell for many years. In 1943 Lottie married George Cook and the pair later opened a chick hatchery in Truro and became one of the foremost producers of high quality chicks in the Maritime Provinces. After the passing of her husband in 1954, Lottie continued to operate the family business. Due to Lottie's involvement in the agricultural industry and former NSAC community from both herself and family business, a scholarship has been created in her and her husband's name.

Eligibility: Available to students from Nova Scotia in the first or second year of a technical or undergraduate program at the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Co-op Atlantic Scholarships

Co-op has established a scholarship open to employees and dependents of members of Co-op Atlantic. Co-op is an association of volunteer board members who have joined together to create a business that can supply products and services at a fair and reasonable cost. Specifically, Co-op focuses on a shared partnership with the members of the community in which it resides. The most unique attribute of the Co-op is its democratic control. The control is left to the members only, and is not

powered strictly by a dollar figure. This allows for farmers and other entrepreneurs to grow and prosper, all while offering goods and services at a low cost to their customers.

Eligibility: Awarded to current first year students at the Faculty of Agriculture based on academic performance, demonstrated leadership ability, extracurricular and community involvement, work experiences, and interest in and understanding of co-operation and co-operatives. Applicants must be employees or dependents of members of Co-op Atlantic.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: \$3,000 (degree) and \$1,000 (diploma)

Renée Covill Scholarships

The Renée Covill Scholarship was established by Dennis Covill and Renée Covill in their estate. Dennis and Renee Covill, immigrated to Canada from England in 1955. Building on his experience working on the development of Colossus, the world's first electronic computer, Dennis went on to establish Nautel Limited in Hacketts Cove, N.S. Under his leadership and expertise, Nautel created the world's first high-powered solid state radio beacon – a technology now used around the world. Nautel, a partner in UNB's wireless research program, designs and manufactures high power solid state radio transmitters for AM and FM radio stations, navigation radio beacons and other applications.

Eligibility: Available to current students from Atlantic Canada studying in the Bachelor of Science (Agriculture) Plant Science or the Bachelor of Technology (Environmental Landscape Horticulture) at the Faculty of Agriculture. Preference will be given to students who have course and project work that reflect a commitment to environmental issues and career interests in growing plants (including farming). Selection criteria are academic performance, financial need, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$3,000

Dr. Kenneth Cox Memorial Scholarship

The Dr. Kenneth Cox Scholarship was created by the class of 1964 as a tribute for the retiring Principal of the former Nova Scotia Agricultural College. Dr. Kenneth Cox followed a very distinguished career in the Maritime agricultural industry. His early training was at the former NSAC, now known as the Faculty of Agriculture, where he graduated with the Class of 1921. He continued his studies at the Ontario Agricultural College graduating in 1924 with a Bachelor of Science in Agriculture.

Eligibility: Available to students entering the final year of the Bachelor of Science (Agriculture) program or a diploma program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dorothy Creelman Cox Memorial Scholarship

The Dorothy Creelman Cox Scholarship was created by Dorothy's husband, Kenneth Cox in memory of his wife. Dorothy Cox passed away on December 24th, 1992. She was a retired teacher and a secretary of University Club of Montreal. She was also an active member of the St. Andrews United Church and was mainly involved in choir and Sunday school.

Eligibility: Available to female students entering second year of the Bachelor of Science (Agriculture) Plant Science program. Selection criteria include academic performance and contribution to the university community.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dairy Farmers of Nova Scotia Award

The Dairy Farmers of Nova Scotia organization was created through legislation enacted in 2001, and replaces the former Nova Scotia Dairy Commission. The organization exists under the umbrella of the Natural Products Marketing Council of the Department of Agriculture. The Dairy Farmers of Nova Scotia bursary has been active since 1989 and continues to help support students with their post-secondary education.

Eligibility: Available to a third or fourth year Bachelor of Science (Agriculture) student or a graduate student from Nova Scotia undertaking course or project work related to the dairy industry. Selection criteria include proven interest and experience in the dairy industry, the potential beneficial impact of study on the Nova Scotia dairy industry, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dartmouth Horticultural Society Scholarships

The Dartmouth Horticultural Society is a gardening club whose aim is to promote, enrich and expand the practice of amateur gardening. Monthly meetings are held where their guest speakers from inside and outside the Society share their knowledge. In addition club experts are available for formal and informal exchange of ideas. Some of the club's activities include a plant sale, a flower show, the planting and maintaining of a raised bed in Leighton Dillman Park, plant exchanges, and garden tours.

Eligibility: Available to upper-year students in any plant-related undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to students from the Halifax Regional Municipality, followed by all Nova Scotia residents, followed by residents of other Canadian provinces. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dalhousie Agricultural Students' Association Awards

Dalhousie Agricultural Students' Association (DASA) is the student association for all students at the Dalhousie Agricultural Campus. DASA is the official voice of the student body, and provides leadership and vision for the students of the Agricultural Campus. DASA promotes student engagement and leadership through various campus activities including Orientation, Shinerama, College Royal and Winter Carnival. DASA also promotes student engagement within the surrounding communities of Truro and Bible Hill. DASA works closely with Student Services and Administration to collectively provide a welcoming community dedicated to higher learning and service to the community.

Eligibility: Awarded to students enrolled in the Faculty of Agriculture who have demonstrated, in the current academic year, exceptional school spirit and involvement in any or all of the following: DASA sponsored events, volunteering, campus community leadership.

Application Type: Automatic Consideration – No Application Required

Value: 2 @ \$300

K. de Geus Memorial Prize for Plant Science

The K de Geus Memorial Prize was created in memory of Klaus de Geus. Klaus, met his wife, Christina “Tina” de Geus, in DeBeemster, The Netherlands. Klaus and Tina immigrated to Canada in 1957 with their three children, Gram, Louise, and Tineke. When they arrived in Canada, they decided to settle in Nova Scotia where they made a new life for their family, including setting up and running a successful flower shop and landscaping business in Bridgetown. Tina took great pleasure in her work as a floral designer. Over the years, she gave many demonstrations on all aspects of floral designing. This led to a career in teaching floral design in the continuing education department of the former Nova Scotia Agricultural College.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture, based on high standing in course work, with preference to students in the Horticultural field.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Eastern Veterinary Technicians Association Bursary

The Eastern AHT Association represents AHTs and similar persons especially those working in the field of veterinary practice in the four Atlantic Provinces. Formed in 1989 it now numbers approximately 55 members including over 20 students enrolled in the AHT program at the Agricultural Campus. The EHTA Bursary is awarded annually to an AHT student entering the third year of the program based upon all-around performance, but with special reference to clinical ability.

Eligibility: Awarded to a student who best demonstrates proficiency in veterinary clinical skills during their first year and externship at the Atlantic Veterinary College as part of the Veterinary Technology program. Students must be in good academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Paul C Eaton Memorial Scholarship

Paul C. Eaton was an alumnus, Class of '48, at the former Nova Scotia Agricultural College. Growing up on a dairy and apple farm, Mr. Eaton understood the importance of agriculture, and devoted his life to this passion. Mr. Eaton spent the majority of his career working in Extension Services on the Agricultural Campus.

Eligibility: Awarded to a full-time student from Atlantic Canada in the second year or higher of the BSc(Agr) program majoring in Environmental Sciences or Plant Science. Recipients must have a background in agriculture or come from a family farm. Selection is made on the basis of academic merit.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$2,500

Ernest L. Eaton Memorial Scholarship

Throughout Mr. Eaton's lifetime he maintained a keen interest in scientific agriculture, and the education and development of the interested young people. He personally established the Ernest L. Eaton Scholarships, and made provision for them to continue in perpetuity. Although none of his children are directly active in farming, they all are interested in, and support, the fine work being done at present at the Agricultural Campus. The hope for the recipient of the Ernest L. Eaton Scholarship is to encourage the pursuit of excellence in both academic and scientific activities.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program based on performance in second year. Recipient cannot have received another scholarship of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Egg Farmers of Newfoundland and Labrador Scholarship

The Egg Farmers of Newfoundland and Labrador (formerly the Egg Producers of Newfoundland and Labrador) is a commodity board governing the production of eggs.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Newfoundland and Labrador.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Noel Enman Memorial Award

To honor the memory of Noel Enman, a former Agricultural Campus Animal Science Technician-Agricultural Technology student, 1979-1982, the Alumni Association has established a fund for the Noel Enman Memorial Award.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture whose personality and fellowship have contributed to student life and activities, thereby gaining the respect of the students and faculty.

Application Type: Automatic Consideration – No Application Required

Faculty of Agriculture Mature Student Bursary

At the Faculty of Agriculture, the student body demographics have shifted dramatically over the past generation. We have increasingly more students transfer from other institutions or begin studies as a visiting or mature student. The 2012 Annual Appeal for the Faculty of Agriculture focused on raising funds for an endowment that would benefit mature students. In addition, alumnus Charles MacQuarrie directed that his planned gift benefit Faculty of Agriculture mature students.

Eligibility: Students enrolled at the Faculty of Agriculture in full-time studies who demonstrate financial need and are mature students (as defined by the Registrar's Office).

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$1,000

Fall River Garden Club Bursary

The Fall River Garden Club's mission is to promote the improvement of home and community flower and vegetable gardens, lawns, trees and landscaping through friendly sharing of information, work and education. During the year they run fund raising events in order to raise money to beautify the neighborhoods. Their main fundraiser is their annual plant sale followed by an area garden tour whereby members open their gardens for viewing to the general public. The monies raised at these events go towards supporting Santa's Express and giving a Bursary to a student at the Agriculture Campus studying horticulture. In addition, the gardens maintained in the surrounding areas are also funded from these events.

Eligibility: Available to a first year student in a Horticulture program at the Faculty of Agriculture in good academic standing, with preference given to students from the Fall River, Waverley, Wellington, Oakfield, Lakeview or Windsor Junction, Nova Scotia areas. Other residents of Nova Scotia will be considered. Applicants will have demonstrated financial need and well-developed career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Farm Credit Canada Scholarship

The Farm Credit Corporation is a crown corporation wholly owned by the Government of Canada. The Corporation's mission is to "provide the Canadian farmer with a reliable source of long term credit and personalized counselling services." Farm Credit Corporation strongly believes in the farm community and the education of youth. The Farm Credit Corporation Bursary is their way of demonstrating their commitment to the betterment of the young people in the community.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Applicants must be Canadian citizens who are Agricultural Economics or Agricultural Business majors. Selection criteria include academic performance, interest and competence in farm management and in the subjects associated with the economics of the farm business, interest and involvement in college and home community as demonstrated by participation in organizations and affairs, farm experience, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Farm Focus Scholarship

Farm Focus of Atlantic Canada is an agricultural newspaper that covers the Atlantic Provinces and their diverse food production. The publication contains information on the various sectors of the agricultural industry, including: regional, national, and international news; profiles on farms and farm families; 4-H; features on new innovations and technology; and editorials and opinions on issues of importance to the farming community.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture at Dalhousie. Selection is based on financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Ena Fenton Memorial Scholarship

Ena Fenton was a founding member of the Bedford Horticultural Society in 1950. Ena was an enthusiastic and willing participant in every function of that group for 47 years. Mrs. Fenton had been a teacher prior to her marriage and had always been interested in the education of young people. After her death in 1977, the Society decided to name their scholarship in her honor. They feel certain that she would have been very pleased by their acknowledgment of her interest in the development of Horticulture and Landscaping in Nova Scotia.

Eligibility: Available to students studying Horticulture or Environmental Studies, entering the second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to those from Bedford, Sackville, and Waverley. In years when no student from Bedford, Sackville, or Waverley applies for the scholarship, consideration will be given to other students from the Halifax Regional Municipality (excluding those from Halifax and Dartmouth). Selection will be based on financial need, career plans, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert and Sheila Frame Scholarship for Maple Research

This award was established by Robert and Sheila Frame to recognize and support student involvement in maple research. Robert Frame is the past President and current Vice-President of the Maple Producers Association of Nova Scotia (MPANS), and co-chair of the organization's research committee.

Eligibility: Awarded to a student enrolled in the BSc(Agr) program in any year of study who has demonstrated involvement in maple research, with preference for the following areas: research on natural and environmental influences on maple syrup production, research that contributes to best management practices in maple syrup production including business practices, and research on the origin and history of maple syrup production in Nova Scotia.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

H. J. Fraser Memorial Prize in English

The H.J. Fraser Memorial Prize was established in memory of H.J. Fraser who taught at the Agricultural Campus.

Eligibility: Awarded to a second year student who has excelled in first year English at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$50

Dr. Gerry W. Friars Undergraduate Research Prize

Dr. Friars, a former NSAC Alumnus, was introduced to scientific research by an undergraduate research project. This was the beginning of a career in research in teaching. In recognition of the significance of this first research experience, Dr. Friars has provided a sum of money to endow an Undergraduate Research Award.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture who is judged to have completed the best written research report as part of the fourth-year project requirements.

Application Type: Automatic Consideration – No Application Required

Value: \$250

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the

University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Bronze Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of technical programs.

Application Type: Automatic Consideration – No Application Required

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

Kevin Grant Memorial Scholarships

In memory of Kevin Grant, Class of 1975 (Animal Science Technician diploma).

Eligibility: Available to students entering their final year in any two-year diploma program at the Faculty of Agriculture, with preference given to students enrolled on a full-time basis. Selection criteria include academic performance, leadership and contribution to campus life, career plans, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Green Diamond Equipment/John Deere Atlantic Agriculture Award

Green Diamond Equipment Ltd. became one of the largest privately held John Deere dealer organizations in Eastern Canada on November 1, 2008, with the consolidation of Planters Equipment Limited (NS) and PEI Farm Equipment (PEI).

Eligibility: Available to a technical or undergraduate student at the second year level or above who is a Canadian citizen from Atlantic Canada studying in the Faculty of Agriculture. The recipient will have a farming or agricultural background, demonstrate financial need, and have a life goal of working in agriculture in Atlantic Canada. A career in agriculture includes all areas from traditional farming, to engineering, to horticulture, to landscaping, and whether working in agri-business or with government.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Chuck Harrison Memorial Scholarship

The Chuck Harrison Memorial Scholarship was created in memory of Chuck Harrison who attended the Agricultural Campus and graduated in 1970.

Eligibility: Available to students entering their final year of the Diploma in Business Management program. Selection criteria include leadership, involvement in athletic and other activities, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Bonnie R. Haviland Memorial Bursary

The Bonnie R. Haviland Memorial Bursary was created by Barb Whiston in memory of her mother's aunt Bonnie, in order to honor her memory. This bursary will provide a legacy to Bonnie Haviland and provide support and encouragement to the selected student.

Eligibility: Awarded to a student entering the second year of the Veterinary Technology program whose performance in the first year has demonstrated a caring attitude and a commitment to others. Applicants will have demonstrated financial need. Recipients must not have received other bursaries of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Jennifer Hayes Starratt Scholarship

The Jennifer Hayes Starratt Scholarship was created by Jennifer's husband, Mark, as a Christmas gift. Jennifer Starratt attended the Agricultural campus and graduated in 1996 with a Bachelor of Science in Agriculture. According to her husband the Agricultural campus holds a very special place in Jennifer's heart and having a scholarship created in her name, is something very special to her. Due to the couple's success in their professional lives, they were able to create a legacy to give back to the communities that have helped enrich their lives.

Eligibility: Available to female students entering their final year of the Bachelor of Science (Agriculture) program, with preference given to students who have completed their first three years at the Faculty of Agriculture. Selection will be based on academic performance, leadership, and involvement in campus activities. The scholarship will not be awarded to a student receiving other significant scholarships.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

Anna Helvig Schousboe Memorial Scholarship

This scholarship was established with the Department of Agriculture, Fisheries and Aquaculture, Government of New Brunswick, in memory of Anna Helvig Schousboe. Anna and her husband Gustav emigrated from Denmark in 1928 and became lifelong Kings Co. NB farmers and also very active in their community. Always strong believers in the value of education, after her death in 1993 Gustav endowed this scholarship in her memory to assist New Brunswick youth in pursuing studies in the agricultural field.

Eligibility: Awarded to a resident from Kings County, New Brunswick, working towards a degree or diploma in agriculture at the Faculty of Agriculture. Applicants must be permanent residents of Kings County, New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

John Higgins Memorial Scholarship

John was a founding member of The Atlantic Association of Landscape Designers in 1992. He was instrumental to the development of Canada's first ever Certification Program for Landscape Designers, which was available to all designers in the Atlantic Region, and pre-empted the National Certification Program by several years. John Higgins' dedication and enthusiasm for the Landscape Design Industry throughout his career was unfaltering, his contributions immeasurable. It is for these reasons that AALD decided to offer a Design Scholarship for students attending the AC, to be dedicated in his name. The Atlantic Association of Landscape Designers hope is that, in part through this scholarship, his legacy will live on.

Eligibility: Available to students entering third year of the Bachelor of Technology in Environmental Landscape Horticulture program in the Faculty of Agriculture.

Selection criteria include academic performance and skill and interest in landscape design.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Bill Jenkins Memorial Scholarship

Bill's career began early and always had the same theme; to improve farm management and education. He held numerous positions with the Provincial Department of Agriculture, the Faculty of Agriculture at Dalhousie University, as well as Chairman of the Nova Scotia Farm Land Settlement Board. Bill retired as Principal of the former NSAC (now Dalhousie Faculty of Agriculture) in 1972 after witnessing growth in both the level and training for all sectors of the agricultural industry. He then joined the staffs of the Council of Maritime Premiers' Higher Education Commission, Services Overseas (CESO) in 1992. As a result of Bill Jenkins sincere commitment to his chosen career path, and his lifetime of contributions to both the AC and the Agricultural Industry, a scholarship has been created in his memory.

Eligibility: Available to students entering second or third year in any of the business degree programs in the Faculty of Agriculture. Selection criteria include overall academic performance, leadership, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Randy and Gladys Keddy Memorial Scholarship

The Randy & Gladys Keddy Memorial Bursary was established by their son, Stewart Keddy in memory of his parents to provide an on-going legacy that is meaningful for family members and friends. Stewart graduated from the Faculty of Agriculture in 1967, from McGill University in 1969, and from Dalhousie Dentistry in 1974, where he was recognized for excellence in endodontics and radiology. Stewart practiced as a dentist for 37 years. He served in the Dental Corps from 1974-1979 and was a founding partner of Purdy's Wharf Dental Group from 1985 until his retirement in 2011. He held memberships in the Nova Scotia Dental Association, Canadian Dental Association, and Academy of General Dentistry.

Eligibility: Available to students entering second year of a diploma program or the third year of a degree program in the Faculty of Agriculture, with preference given to students from the Annapolis Valley of Nova Scotia with farm backgrounds. Awarded to a student whose background, program of study, course and project work and summer employment show a genuine interest in working in the agricultural industry following graduation. Selection criteria include career goals, academic performance, and financial need. Students receiving other scholarships of greater value will not be eligible for this scholarship.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ketchum Manufacturing Company Limited Prize

Zebulon Ketchum, an Ottawa, Canada based inventor and former professional lacrosse player turned his love of tinkering into a successful business. He owned a bicycle shop in downtown Ottawa and eventually grew and expanded that business into other products including becoming the first provider of the new "horseless carriage" in the nation's capital. However, it was his inventor's nature that led him to the genesis of the Ketchum business which was metal identification tags to be used in the livestock industry. The company has become the world's leading supplier of tags used to identify and trace the origins of wild caught and farmed seafood and they continue to be a metal stamping company as well and currently produce numerous metal products for various industries around the world. The business started on a rural farm outside of Ottawa and when it moved it found itself in the middle of the city. What started as a niche business serving the local agricultural community spread regionally, then nationally, and now competes in almost every market of the world.

Eligibility: The Ketchum Manufacturing Company Limited Prize is awarded to a graduate of the Animal Science option.

Application Type: Automatic Consideration – No Application Required

Kings Mutual Insurance Scholarships

In memory of Past Directors, the Kings Mutual Insurance Company awards scholarships to students in the Faculty of Agriculture. The Kings County Federation of Agriculture represents the interest of the agricultural community in Kings County and is an active voice for its 395 members with the Nova Scotia Federation of Agriculture, Council of Leaders and provincial and national governments.

Eligibility: Available to students in any technical or undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia.

Selection criteria include financial need, academic performance, and demonstrated interest in a career in the Agri-food industry as reflected by summer employment and/or extra-curricular involvement. This scholarship is not available to students receiving other scholarships of greater value. At least one scholarship will be awarded annually to a technical-level student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

P. Max Kuhn Scholarship

P. Max Kuhn grew up on a small farm in Lawrencetown, Halifax County. He lived from 1887 until 1928 and was the father to Bernard G. Kuhn. Max attended one year of the former NSAC General Course in 1908-1909. He was not able to return the next year because of need for him at home and shortage of funds, it was a great disappointment to him. That year was his only year of formal schooling; his home was so isolated that he was never able to attend grade school or high school, and his mother taught him at home. Max was a dedicated, hard-working farmer, and he made great use of his AC training. He bought his own Manor Hill Farm in 1918, located on Woodlawn Road (Portland Street) just outside what were then the town limits of Dartmouth. He market-gardened and ran a dairy there until his death. It was Bernard's wish to establish this scholarship to recognize his father, Max, give education opportunity to others beyond what his father had, and to "repay Nova Scotia, former NSAC and Canada in small part for the education and support that he received here" (Bernard G. Kuhn).

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture at Dalhousie, with preference given to students who have completed at least one year of study. Applicants must be permanent residents of Nova Scotia, with preference to students from the Halifax Regional Municipality. Awarded to a student with a farm background or those whose course and project work and summer employment demonstrates an interest in working in the agriculture industry after

graduation. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Landscape Nova Scotia Award

Landscape Nova Scotia's mission is to promote high standards in product quality, professional service and conduct in the horticultural trades industry; and to encourage the use of Association members by the public. Landscape Nova Scotia has been a voice for the landscape and horticultural industry for more than 20 years in Nova Scotia, and are committed to providing consumers with options to make informed decisions.

Eligibility: Available to students in a landscape-related undergraduate program in the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

AB & JE Langille Brothers Scholarship

Alan Langille graduated from the Nova Scotia Agricultural College in 1958 and went on to have a career as a plant physiologist and professor at the University of Maine. Alan makes this scholarship possible in memory of his two older brothers, both also NSAC Alumni. Bruce Langille (grad 1946) went on to work as a chemist for the Plant Products Lab in Ottawa. Jim Langille (grad 1947) went on to a career as an Agronomist for Nappan Experimental Farm.

Eligibility: Awarded to a third year BSc(Agr) student majoring in Plant Sciences. Preference will be given to students who have completed their first three years of study at the Faculty of Agriculture. Awarded based on academic excellence and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

C. C. MacDougall Memorial Scholarship

C.C. MacDougall was the first district agriculturist to work with the NB Department of Agriculture in Sussex. The C.C. MacDougall Memorial Scholarship was established in 1958 by a large group of agriculture groups.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture. Awarded to a student pursuing a degree or diploma in Agriculture. The recipient must have been a 4-H member from Kings County, New Brunswick, or have parents who raise or breed Guernseys anywhere in New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Danny MacEwen Memorial Scholarship

Danny was an example of what typifies a farmer – not afraid of hard work, willing to give everything he had even if the financial return wasn't always there, and proud of what he did for a living and never made an excuse for it. Danny was also very involved with the community and those who lived in it. He enjoyed not only showing off his many talents but also found great satisfaction in teaching others. Although he was not known for his patience, he strived hard to achieve the best at whatever he did. Danny will always be remembered for his passion for farming, and the agricultural world is a better place because of what he gave.

Eligibility: Awarded to a BSc(Agr) student majoring in Agricultural Business who has a background in agriculture or comes from a family farm. The recipient will be involved in the community and athletics, either at the Faculty of Agriculture or in the local area.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dr. Allan and Barbara MacKay Scholarship

Born in Heathbell, Pictou County, Nova Scotia, Dr. Allan MacKay received his early agricultural experience on the Spruce Grove Farm that had the distinction of having one of the first purebred Guernsey herds in Canada. He was a member of the Scotsburn Junior Dairy Calf Club and represented his province in the National competitions for club members at the Royal Winter Fair in Toronto in 1941. Dr. MacKay received his primary education at Heathbell School and his secondary education at Pictou Academy. He graduated from former N.S.A.C. in 1943 and obtained his Doctor of Veterinary Medicine from the Ontario Veterinary College in 1951. That same year he established a veterinary practice in Pictou County and continued his work until his retirement in 1991. Dr. MacKay is honoured for his program of animal health care, for his philosophy of preventing disease problems before they occur and his dedication to farm families in the area he served.

Eligibility: Awarded to a student with strong academic performance from the Faculty of Agriculture who plans to study veterinary medicine at the Atlantic Veterinary College.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Angus and Tena MacLellan Memorial Scholarship

The Angus and Tena MacLellan Memorial Scholarship was established by both Tena and Angus' estate. Angus and Tena were avid farmers in Cloverville, Antigonish County.

Eligibility: Available to students entering third or fourth year of an undergraduate degree program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Paul R. MacPhail PEI Potato Industry Scholarship

The roots of the Prince Edward Island Potato Board can be traced as far back as 1920, when the first Potato Growers' Association was formed on Prince Edward Island.

A true marketing board followed in 1950 and was restructured as a producer controlled board under the Natural Products Marketing Act in 1990. The PEI Potato Board established this award in memory of Paul R. MacPhail.

Eligibility: Awarded to a PEI student studying at the technical or undergraduate level of an agricultural program. The recipient will demonstrate an interest in working in the potato industry through course work, research projects related to potato production and utilization (including all disciplines, e.g. pathology, biotechnology, entomology, etc). Awarded based on academic performance and the project's relevance to the improvement of the potato industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Edith Main Memorial Bursary

The NSVMA has created the Edith Main Memorial Bursary in her memory. Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected.

Eligibility: Awarded to a Nova Scotia student in the second year or higher of a diploma or degree at the Faculty of Agriculture who intends to pursue a career in veterinary medicine.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Joseph E. Mapplebeck Memorial Bursaries

In honour of Joseph E. Mapplebeck, who farmed for 50 years in Kings County, Nova Scotia, and in recognition of his appreciation for the importance of a good education, family members have established two bursaries.

Eligibility: Available to current second year technology students at the Faculty of Agriculture in good academic standing who demonstrate financial need. One of the two awards will be made available annually to a student in the Plant Science Technician program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bill Mathewson Memorial Award

Bill Mathewson grew up on a hill sheep farm in Sma Glen, Scotland. He graduated with a BSc (Agriculture) in 1949 and later (1974) a MSc. both from Aberdeen University. On graduation 1949, he joined H.M. Overseas Civil Service. After further training in Cambridge and Trinidad, he was posted to Tanganyika, Africa where he worked for 14 years. On retirement in 1965, he worked for three years with the N.F.U. of Scotland in Edinburgh before immigrating with his family to Nova Scotia in 1968. He taught for 20 years at the Faculty of Agriculture. Bill retired in 1988 and was honored by his colleagues by being made Professor Emeritus. Much loved by students, faculty and the agricultural industry, Bill will be greatly missed. It is with his memory in mind, that Bill's friends and colleagues at the AC launched an award in his name.

Eligibility: Available to any student registered in any program at the Faculty of Agriculture participating in an international experience. In applying for consideration, students will submit a proposal to participate in such activities as a study semester abroad toward their degree/diploma, attendance at a conference to make a presentation, a specialized training course or an internship or development project.

Application Type: Contact awards@dal.ca for more information

Value: \$1,000

Donald McInnes Award

Established in 1904, Pictou Mutual Insurance Company is the oldest mutual insurance company in Nova Scotia. Initially established by a group of farmers who sought to provide local protection for each other in the event of loss, their company has grown to include more than 3,500 local and rural policyholders. Donald McInnes was born in 1933 on the original McInnes farm on Scotch Hill Road. A graduate of Pictou Academy high school, he attended the AC, graduating in 1955. As a shareholder of Scotsburn Co-op, Donald served as Director for 22 years and Chairman of the Board for 15 years. For 35 years Donald was active in the Pictou County Farmers Mutual Fire Insurance Company. Donald served first as an agent, then as a director and manager of the company. Due to Donald's sincere involvement with both the community and Pictou Mutual Insurance Company, an award has been created in his name which is funded by Pictou Mutual Insurance.

Eligibility: Available to a student enrolled at the Faculty of Agriculture. Selection criteria include commitment to and involvement in the community and leadership provided in student activities, academic performance and financial need. A student may not be selected for this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. A. L. McLaughlin Memorial Scholarship

The H.A.L. McLaughlin Memorial Scholarship was established in memory of H.A.L. McLaughlin who taught horticulture at the Agricultural Campus from 1953 to 1971.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Clint McLean Memorial Scholarship

The Clint McLean Memorial Scholarship was established by Clint's loving family, with contributions from his many friends and colleagues. Clint loved life and had many interests including entertaining, fine cooking, travel and music. To Clint family was everything; no amount of trouble, sacrifice, or inconvenience was too much. However, his heart was in agriculture. He lived and breathed agriculture, but dairy had a special corner in his heart. Not only did he talk the talk, he walked the walk. Clint was a graduate of NSAC (Class of 1979) and Guelph University. He was also an active member of his alumni associations, serving as Vice President and President for the Agriculture College Alumni. Clint served on the Agricultural Institute of Canada Board of Directors and on numerous institute committees. He served as the chair of the Atlantic Forage Crops Advisory committee and represented the Atlantic Provinces at the National Expert Committee on Forage. Clint was a distinguished and valued member of the NB Department of Agriculture, taking a leading role in innumerable initiatives to support the true stewards of the land; the farmers of Atlantic Canada. His career was that of a scientist with a human touch.

Eligibility: Awarded to a third or fourth year BSc(Agr) student, with a preference to a student from New Brunswick and a preference to a student involved in the study of dairy. Recipients will have strong academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Karen Meek Memorial Scholarship

Karen was born March 28, 1962 and grew up on the family farm in Canning, Nova Scotia. She attended local schools and graduated from Cornwallis District High School in 1980. Karen was an avid participant in school sports, 4H, horseback riding, ringette, her motorbike, and living life to its fullest. Following in her father's footsteps (Eric Meek – class of 1954) she attended and graduated from former NSAC in 1982 with a Diploma in Ag Business, Karen participated in many campus activities but the Woodsmen Team was always her favorite. She developed many close friendships in her years in Truro. The Karen Meek Memorial Scholarship was established so that Karen's memory could live on.

Eligibility: Available to current students in the Bachelor of Science (Agriculture) Environmental Sciences program. Selection criteria include academic performance, financial need and contribution to campus life. This scholarship is not available to students receiving other awards over \$1,000.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

John Miller Memorial Award

Since 1983 John Miller assisted the hog industry by coordinating and providing programs that greatly improved the industry as secretary/manager of Pork Nova Scotia. John spent countless hours educating producers and others of the cost efficient and productive way to raise and market hogs. He often spoke at the Faculty of Agriculture to students in the hog production course on the strengths of the industry. To show appreciation of this dedication, the producers and friends of Pork, NS provide an award in memory of John.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Awarded to a student whose course and project work and career plans reflect an interest in the hog industry or whose application shows interest, understanding, and appreciation for Nova Scotia's hog industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

T. Beverly Milligan Gale Memorial Scholarship

The T. Beverly Milligan Gale Memorial Bursary was established in 2010 by Bev's husband, Bob, in recognition of her spirit and love of the gardens at the Faculty of Agriculture.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to mature students. Selection criteria include career plans, academic performance and financial need, with preference to a student interested in landscape design and care.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Reginald (Reg) Moore Memorial Scholarships

Reg Moore was born in Economy Nova Scotia on August 25, 1917; the fifth of six children. He was educated in Economy and Bass River graduating in 1935. Reg then enrolled in Normal (Teachers) College in Truro. He taught in various locations in Nova Scotia until called up for service in the Royal Canadian Air Force in 1940. Reg served as a staff pilot and as a Coastal Command pilot in Canada and the United Kingdom. Returning to Canada in 1945 Reg enrolled in the Nova Scotia Agricultural College (now the Faculty of Agriculture, Dalhousie University). He graduated from the former NSAC in 1947. Reg spent his entire post war career at the FCC. First as a Credit Advisor, then as Branch Manager for Nova Scotia. In 1960 he was transferred to Saint John, New Brunswick as Executive Assistant to the Regional Manager Atlantic. By 1962 Reg had tired of doing office work and transfers (four in three years) so requested a transfer to field duties where he would have day to day contact with farmers. He was assigned to the Sussex, NB Office where he completed his career, retiring in 1981.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in a full-time capacity.

Applicants must be permanent residents of Colchester County, Nova Scotia and will have completed at least one year of study. Selection will be based on financial need and a cumulative average of at least 3.00.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

A. C. Neish Memorial Trust Scholarship

Dr. Neish (1916-1973) was an undergraduate at the former Nova Scotia Agricultural College in Truro. This is where he had his first contact with science and where he had won the Governor General's Medal and a Macdonald College (Quebec) Scholarship. His work on fermentation, bacterial and plant metabolism and the biosynthesis of plant polysaccharides and lignins received international acclaim. He was a Fellow of the Chemical Institute of Canada, of the Royal Society of Canada, and the Royal Society of London. Dr. Neish was the first person to be awarded the Gold Medal of the Canadian Society of Plant Physiologists, and was awarded an honorary doctorate by Mount Allison University and an honorary Doctor of Science degree by McGill University. The A.C. Neish Memorial Trust Scholarship was established by friends, admirers, and colleagues of the late Arthur Charles Neish.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Selection criteria include high academic performance and qualities of leadership as indicated by participation and achievement in both academic and non-academic activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Newfoundland and Labrador Federation of Agriculture Scholarships

To encourage local students to pursue careers in the agri-products industry, the Newfoundland and Labrador Federation of Agriculture awards two scholarships to students entering studies at the Faculty of Agriculture.

Eligibility: Available to students entering any undergraduate program in the Faculty of Agriculture directly from high school. Applicants must be permanent residents of Newfoundland and Labrador (preferably one student from the east coast and another from the west coast). Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia 4-H Council Award

4-H is a youth development organization which promotes leadership, encourages the care and responsibility of resources, and builds positive life skills to secure a sustainable future for Nova Scotia. The 4-H Council has been active for over 100 years in Canada. It is comprised of 2,400 members, 900 leaders and 100 clubs in Nova Scotia. More than 80 countries worldwide have 4-H clubs. The purpose of the 4-H program is to prepare young girls and boys for their future as adult citizens. 4-H stands for head, heart, hands, and health and the motto is to “learn to do by doing.”

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include academic performance, financial need and participation in 4-H club activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Nova Scotia Animal Breeders Co-operative Limited Awards

The Nova Scotia Animal Breeders (NSAB) Co-op Limited specializes in an array of different cow options for their consumers. They offer products and supplies for cow farmers, and a multitude of service options. Some of the services offered are: artificial insemination, computer assisted herd mating, young sire program (Holstein), direct sales-owner breeders, and A.I. Sires.

Eligibility: Available to current students in the 2nd year of the BSc (Agriculture) with a major or minor in Animal Science or the 2nd year of a diploma with specialty in Dairy Farming or Agriculture. Recipients must have attended high school in Nova Scotia and demonstrate an interest in the dairy or beef industry through their farm backgrounds, course, and/or project work.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Nova Scotia Egg Producers Association Scholarships

The Nova Scotia Egg Producers (NSEP) is incorporated under the Natural Products Act for Nova Scotia. The act provides the NSEP the authority to carry out its mandate of effective promotion, control and regulation of eggs and pullets in Nova Scotia.

Eligibility: Available to students in the Bachelor of Science (Agriculture) program with an Animal Science major whose course and project work show an interest in poultry. At least one scholarship will be awarded to a final year student conducting a poultry related research project in RESM 4002 and RESM 4003.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

Nova Scotia Federation of Agriculture Scholarship

Since 1895, the Nova Scotia Federation of Agriculture has represented the interests of Nova Scotia's agricultural community. Today its members account for well over 90% of all agricultural production in Nova Scotia. With an organizational structure that includes representation from 13 county and regional federations and 27 recognized agricultural commodity groups, the Federation brings together over 2,400 individual farm businesses representing all aspects of primary agriculture in the province.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia with farm or 4-H backgrounds. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 2 @ \$500

Nova Scotia Federation of Agriculture 100th Anniversary Scholarship

In recognition of the 100th Anniversary of the Nova Scotia Federation of Agriculture in 1995.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture who are permanent residents of Nova Scotia with a farm background, financial need, and good academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia Institute of Agrologists Scholarships

Founded in 1953, the Nova Scotia Institute of Agrologists is the provincial organization authorized under the Agrologists Act to govern the professional conduct of its members, in support of the public interest. Persons who hold themselves out to be a professional agrologist must be registered with NSIA under the Act.

Eligibility: One will be awarded to a student entering their third year of the BSc(Agr) program and the second, recognizing the current anniversary of NSIA, to a student entering their second, third or fourth year of the BSc(Agr) program. Students must be from Nova Scotia and will be selected based on academic performance, participation in school and community activities, degree of interest in agrology, career plans in the Agri-food industry, and financial need.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: 2 @ \$1,000

Nova Scotia Mink Breeders Association Award

Dr. Bruce Hunter passed away on October 19th, 2011 at the age of 61. He was a leading veterinarian in the fields of avian and furbearer disease, and an integral part of the Canadian mink industry, serving as director of research for the Canada Mink Breeders Association. He was a longtime champion of integrating animal, human and environmental health at OVC and around the world. He played a key role in setting up a Canadian Community Practice in EcoHealth (CoPEH) and a graduate-level course in ecosystem approaches to health involving U of Gm the University of British Columbia and Université du Québec à Montréal. Recently, he was co-leader of a poultry project in Ghana for Veterinarians Without Borders/Vétérinaires Sans Frontières-Canada. This year, he received the Aeroplan Volunteer of the Year Award from VWB/VSF in recognition of his work and commitment. The Nova Scotia Mink Breeders Association established this scholarship in memory of Dr. Bruce Hunter, a retired veterinarian from Ontario Veterinary College and recognized expert on naturally occurring diseases in mink. This scholarship will recognize students who have an interest in mink.

Eligibility: Available to current students in any Animal Science-related undergraduate program in the Faculty of Agriculture, with preference given to a student whose course/project work demonstrates an interest in the mink industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Nova Scotia Veterinary Medical Association Bursary

Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected. The NSVMA has established a scholarship for a student entering the Animal Health Technology program.

Eligibility: Available to students entering first year of the Veterinary Technology program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Novartis Award

Novartis is one of the world's leading healthcare companies, Novartis' dedication to scientific research, imagination, and new technologies has led to the creation of thousands of ground-breaking products and services in the areas of pharmaceuticals, nutrition, eye-care, and animal health.

Eligibility: Presented to the top all-round student graduating from the Veterinary Technology program who has particularly excelled in the area of parasitology.

Application Type: Automatic Consideration – No Application Required

Nutreco Canada Inc. Scholarship

Nutreco Canada is a leading animal nutrition company that invests in research, development and technology application to deliver superior results for producers. Their brands, Shur-Gain and Landmark Feeds, offer a wide range of livestock and poultry nutrition and health solutions.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program, majoring in Animal Science. Selection criteria include academic performance, leadership qualities, and participation in student and community affairs.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Donald Palfrey Award

The Don Palfrey Award was established in memory of Don Palfrey in recognition of his many years of service and contributions to weed science in Nova Scotia. Don was born in Fort Fairfield, Maine. He received his formal education in Pictou County and he graduated from the AC in Truro, Nova Scotia and from McGill University in Montreal, Quebec with a Bachelor of Science in Plant Pathology. He worked for the N.S. Department of Agriculture in Marketing for 37 years, retiring as Supervisor of Weed Science, where he was a key player and helping in pioneering work in extension and research in weed control in Nova Scotia. Don also taught at the AC for 18 years, teaching courses in Weed Control and Plant Pathology. He was a distinguished life member of the N.S. Institute of Agrologists and the first honorary life member of the Atlantic Vegetation Management Association. As a result of Don Palfrey's sincere commitment to the Department of Agriculture and his field of interest, an award has been created to honor his memory and legacy.

Eligibility: Awarded to a final year undergraduate student carrying out a research project in the area of pest management, with preference to a student involved in weed science, either through academic work or summer employment.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert Parent Memorial Scholarship

The Robert Parent Memorial Scholarship was created in memory of Robert Parent who attended the Agricultural Campus and graduated in 1921. His wife, Laura E. Daisy Parent, left in their estate, wishes to establish a scholarship in his memory.

Eligibility: Available to an outstanding current student in any undergraduate program in the Faculty of Agriculture who has not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

Passionate Plants Person Award

In 1976, with two passionate plants men – the late Don Craig and the late Captain Richard Steele – as founding members, they began as RSCAR, the Rhododendron Society of Canada Atlantic Region. They were one of three regions, the other two being Niagara and Toronto. When Niagara and Toronto decided to join the American Rhododendron Society in the 1980s and RSC ceased being its own organization, the three regions – Atlantic, Niagara, and Toronto – became the 3 chapters in District 12 of the ARS. In 2003, they formed the Atlantic Rhododendron & Horticulture Society, to reflect the diversity of plant interests among local gardeners and plants people, while maintaining a central interest in rhododendrons and other ericaceous plants. They are a non-profit society registered in Nova Scotia.

Eligibility: Available to students entering second year of the Environmental Horticulture diploma program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Preference is given to students whose passion for plants is infectious and will most impact the way we regard and understand plants in both public and private environments. The student should also demonstrate leadership abilities and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750 and 1-yr membership with ARHS

Pork Nova Scotia Scholarship

Pork Nova Scotia is the marketing agent for hogs in Nova Scotia. Their mandate is to create the most favorable environment possible for the production and marketing of pork in Nova Scotia to assist in maximizing returns for Nova Scotia producers. PNS has an active and organized structure that has become the recognized voice of the Pork Industry in Nova Scotia. It is organized into 3 geographical zones, representing pork producers who account for 100% of Nova Scotia's pork production.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Awarded to a student with an interest and/or background in swine production. Selection criteria include demonstrated interest in the swine industry (through course or project work), academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$350

Prince Edward Island Institute of Agrologists Scholarship

The P.E.I.I.A is made up of agricultural professionals who are at the leading edge of the agri-food industry. Institute members are researchers, educators, extension

specialists, primary producers and administrators of agricultural programs and policies.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Prince Edward Island. Selection criteria include academic performance, school and community involvement, financial need, and a career goal of becoming an agrologist.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stuart Rath Junior A Bearcat Hockey Education Award Fund

The Stuart Rath Truro Bearcat Education Awards have been established to encourage the pursuit of university education among players with the Truro Junior A Bearcat Hockey Team ("The Bearcats") by providing tuition support for players enrolled at Dalhousie University. Stuart Rath, a very involved community member of Colchester County and surrounding area, established The Bearcat Hockey Education Award. Some of Stuart's endeavors are as follows: he serves as the Vice President of Truro Centre Ltd, and the President of Stuco Holdings Ltd. From 1985-1995 Stuart served as the President of Halifax Cablevision Ltd, from 1976-1985 he served as the President and General Manager of Eastern Cablevision, and from 1960-1975 he was the Chairman of the Truro Industrial Society. A few of Stuart's other accomplishments are being Director of Nova Scotia Business Inc. since March 2007, Director of Morien Resources Corp since December 1997, as well as serving as Director of Stuco Holdings Ltd. and Director of Erdene Resource Development Corporation since June 2006 until November 2012.

Eligibility: Available to entering or current technical and undergraduate students at the Faculty of Agriculture. Selection is based on academic performance and the recommendation of the team coaches.

Application Type: Automatic Consideration – No Application Required

Cliff and Grace Retson Memorial Scholarship

The Grace and Cliff Retson Memorial Bursary was first created by Grace in memory of her husband, Cliff Retson who graduated from the AC in 1934. Cliff passed away in 1997. Grace was born in Waskada, Manitoba and grew up in Kerrobert, Saskatchewan. She attended secretarial school in Saskatoon and after retiring, she received her Bachelor of Arts from St. Mary's University. Grace met Cliff, her husband of 56 years, while she was working at the Senate in Ottawa. They married on July 26, 1941 and moved to Truro in 1947. The Retson's (Grace & Cliff) hosted several international students studying at the Faculty of Agriculture over the years. It is for this reason and to ensure ongoing support of the educational interests of International students studying at Dal-AC, that Grace created the scholarship.

Eligibility: Available to international students in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, and interest in and involvement in multi-cultural activities on campus.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

Ira L. Rhodenizer Memorial Scholarship

Ira Rhodenizer was born in 1890 in Parkdale, Lunenburg County, Nova Scotia and lived there for the majority of his life. He served in the Canadian Army from 1914 to 1919 and was wounded overseas during World War I. He later became a farmer, storekeeper, and lumberman in Parkdale, NS. He was greatly interested in community life and was associated with farmer's organizations for many years. He was married and had seven children. He was a member of the Baptist Church, the I.O.O.F. and Masons. Ira was active in Nova Scotia Guides and Fish and Game Associations, had been a municipal counsellor and President of the Lunenburg Centre Liberal Association. He was a Director of the Nova Scotia Federation of Agriculture and was killed in a car accident on the way to a meeting of this organization in August 1958. The Ira L. Rhodenizer Memorial Scholarship was provided by the Federation as a memorial for his dedication and contributions through the years.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Selection criteria include academic performance, involvement in student affairs, and participation in the 4-H program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Robert G. Rix Family Farm Scholarship

Robert (Bob) Rix was born in Halifax on July 29th, 1948. Robert graduated from Dalhousie University Dental School in 1974. He practiced in Musquodoboit Harbour, Tatamagouche, and Winsloe, PEI, prior to opening his own dental practice in Bible Hill. He took great interest in his profession and knew the family trees of most of his patients and will be fondly remembered by everyone for his excellent dentistry, story-telling, knowledge of American History, love of gardening, tinkering with mechanical items, love of nature and his family. Robert had originally established the "Robert G. Rix Family Farm Bursary" in 1985. Although not having a farm background himself, he shared his beliefs that everyone's roots are in the land and he felt his way to contribute to the importance of agriculture to our society was through this small bursary each year. A couple years ago, the award became known as the "Dr. Robert G. Rix Scholarship" to allow support to a student where the need was greatest. After Robert's passing, one of the faculty provided funds to continue the bursary in Robert's name. Since then, Robert's family has graciously supported the scholarship to allow his legacy and memory to live on.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who has shown determination and dedication to operating a family farm.

Recipients will have demonstrated financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

J. Arnold Roberts Memorial Scholarship

The J. Arnold Roberts Memorial Scholarship was created by Elsie Roberts in memory of her husband, Arnold Roberts. Establishing a scholarship in memory of a loved one is a wonderful way to ensure their legacy and memory lives on, and this is what Elsie wished for her late husband.

Eligibility: Available to current students in any year of an undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces. Awarded to an outstanding student who is not receiving a scholarship of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Howard W. Roper Memorial Award

The Howard W. Roper Memorial Bursary: Presented by the Nova Scotia/Newfoundland Holstein Branch was established in memory of Howard Roper. Howard was born in Charlottetown, PEI and later moved to Princeport with his father in 1926 to manage the Beech Hill Farm and Dairy. Howard and his father purchased the farm in 1932 and operated the farm with purebred Guernsey's until 1952. Following the sale of the farm, he was employed by the Nova Scotia Animal Breeders Co-operative as Manager of Sales and Promotions. Howard was well-known throughout Canada, especially in Atlantic Canada for his work in the dairy industry and his love of dairy cattle, particularly Holsteins and Guernsey's. He was inducted into Atlantic Agricultural Hall of Fame in 1980, an institution in which he was instrumental in founding.

The Canadian Association of Animal Breeders honored Howard in 1992 with the Award of Merit for outstanding contribution to the Dairy Cattle Industry. He was also made a lifetime member of the Canadian Guernsey Breeder Association. Those who knew Howard best will remember him for his honesty, integrity, love of people and his great eye for cattle.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture, with preference given to second year students in the Diploma in Business Management - Dairy Farming program. Applicants must be either be permanent residents of Nova Scotia or Newfoundland and Labrador. Applicants must be members of Holstein Canada, or, a member of a family with Holstein Canada membership. Selection criteria include involvement in the dairy industry, extra-curricular involvement through athletics and clubs on campus, involvement in farm organizations, financial need and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Ted Rose Memorial Scholarship

The Ted Rose Memorial Scholarship was created by Mrs. Ann M. Rose in memory of her husband, Ted. Ted had grown up on a dairy farm in Urbana, near Shubenacadie. Ted and his brother Percy ran the farm after the death of their father. Although no one from the family had any connection to the AC, Mrs. Rose had a soft spot for farming, admitting there can be “nothing as rewarding as farming.” Rose wanted to provide a scholarship to a deserving young person who is interested in farming themselves someday, while honoring her husband’s memory.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded to a student who plans to operate a livestock farm. Selection criteria include financial need, academic performance and a documented commitment to animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Rotary Club of Truro International Student Bursary

The Rotary Club of Truro has been part of the fabric of the community of Truro as well as the network of Rotary Clubs around the world since 1926. The Rotary Club of Truro is proud of its years of service and benevolence in the community and internationally. In addition to providing assistance to countless individuals with special needs for medical treatment or equipment over the years, the Club has continued to focus on the needs of children with disabilities.

Eligibility: Available to a current international student at the Faculty of Agriculture. Preference will be given to students registered in a program of study and registered full time, with additional preference given to students studying for the full year. Special consideration will be given to students who came from a developing country and plan to return and apply their education there. All students paying the international tuition differential are eligible for consideration. Selection criteria include financial need and potential impact of the bursary on the student's lifestyle while at school and their future plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Rick Russell Memorial Scholarship

Rick Russell passed away Saturday, July 3rd, 2004 after a courageous battle with cancer. After graduating from NSAC, Rick was employed at the College as the swine herdsman for 20 years and then as manager of the fur unit for 4 years. Rick was the coach of the former NSAC Woodsmen Team for 24 years. He was well respected by both his peers and the athletes he coached. He was always giving of himself and was recognized for his unselfish devotion to the college community by the AC Student population by being given the Student Appreciation Award in 1995. Due to his sincere commitment to NSAC and his community, a scholarship has been created in his memory.

Eligibility: Available to current student athletes in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, involvement and leadership in the Woodsmen program, and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gail Semple Memorial Scholarship

In memory of Gail Semple (nee Johnson, Truro, Nova Scotia), who had a strong commitment to animal welfare,

Eligibility: Available to upper-year BSc(Agr) students who plan to study veterinary medicine. Selection criteria include financial need, academic performance, and a background with demonstrated experience in animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Jack Sibley Agriculture Bursary

This award was established by the John & Judy Bragg Foundation to honour John D (Jack) Sibley. Jack was born in 1937 at Meaghers Grant in Nova Scotia’s Musquodoboit Valley and graduated from Musquodoboit Rural High School in 1954. After receiving a BA from Mount Allison University in 1957 he attended the Nova Scotia Agricultural College and is an alumnus of the Class of 1959. He began his working career as a teacher and then moved on to work for several years as a field manager for McCain Foods. In 1965 he returned to Nova Scotia and spent the next 29 years as a wild blueberry extension specialist with the Department of Agriculture and Marketing. In 1994 he retired from this position and in 1997 began work with WBANA Canada in wild blueberry promotion, retiring in 2011 after a total of 44 years of service to the wild blueberry industry. Jack had a number of part-time careers which included operating his own wild blueberry acreage, working as a musician and MC, and teaching old-time fiddling to children from the Truro area.

Eligibility: Awarded to a full-time technical or undergraduate student at the Faculty of Agriculture who demonstrates financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

G. G. Smeltzer Memorial Award

Gerald “Gerry” Gordon Smeltzer was a graduate of the former Nova Scotia Agricultural College and McGill University, his work in the livestock industry, apiculture, livestock crops, 4-H, and his community rapidly earned Gerry Smeltzer the admiration of all who came to be associated with him. As an Extension worker with the Nova Scotia Department of Agriculture and Marketing, he promoted improved livestock management techniques and was considered a driving force in the 4-H program. While an agrologist with Agriculture Canada, his work on new varieties of corn for silage and grasses, legumes, soybeans, fababeans, field peas, and small grains, laid the foundation for the livestock industry of Eastern Canada. In 1966, Mr. Smeltzer was named the Annapolis Valley Man of the Year in appreciation of his

efforts. In 1987, he was awarded the Fred Rathje Memorial Award by the Canadian Beekeepers' Association.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program at. Applicants must be permanent residents of one of the Atlantic provinces and be Plant Science - Agronomy majors. Selection criteria include a genuine interest in the area of field crops reflected through course and project work and summer employment, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sodhi Memorial Bursary

This bursary was established by the Sodhi family in memory of Mr. Bhagat S. Sodhi, long-time librarian at the former Nova Scotia Agricultural College. Mr. Sodhi immigrated to Canada in the 1960's, in search of opportunity for his future family. After meeting and bringing his wife Darshan to Canada, they settled in Truro, NS, and began their family. Mr. Sodhi began working at the former Agricultural College in 1968, when the campus library was housed in Cox Institute. He was instrumental in moving the library to its current location at the MacRae Library, acting as head librarian until 1995. Mr. Sodhi considered the library staff as a second family. As a tribute to his memory, the Sodhi Family established an award in his name upon his passing on June 1st, 2009.

Eligibility: Available to current international students at the Faculty of Agriculture in good academic standing, with preference given to students in undergraduate and technical programs based on financial need. Students in all programs of study are eligible.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sport Leadership Award

The Sport Leadership Award recognizes a high school varsity athlete enrolling full time in a program of study and planning on participating in a sport at the varsity level at the Faculty of Agriculture.

Eligibility: Available to entering technical or undergraduate students at the Faculty of Agriculture with an admissions average of at least 75%. Recipients of other major entrance scholarships are not eligible. Selection criteria include financial need, sport skills and leadership.

Application Type: Automatic Consideration – No Application Required

Phillip Stead Memorial Leadership Award

Phillip Stead graduated from the former Nova Scotia Agricultural College in 1965 with a degree certificate. He left Nova Scotia to complete his BSc. in Animal Science at McGill University and returned in 1967 to begin what was to be a long and successful career with the Nova Scotia Department of Agriculture, working as a sheep specialist with the Animal Industry Branch. In 1972 Phil continued his education by completing a MSc. in Agriculture and Nutrition at Virginia Polytechnic Institute and State University. For his passion for community involvement and his long standing contributions to Agriculture, a memorial award has been created in his name.

Eligibility: An award will be presented annually to a student who has exhibited outstanding leadership at the Faculty of Agriculture and/or within the community.

Nominations for the award will be received by a committee representing the Student Leadership program at the Faculty of Agriculture and a member of the sponsoring body for the award (Nova Scotia/Newfoundland Holstein Branch). The committee will select an awardee from those nominated who best represents the leadership qualities and performance in the past year or number of years that would be a model for others. Selection criteria may also include academic performance, financial need, and the other awards that have been granted to the nominee.

Application Type: Contact the Faculty for more information

Captain R. M. Steele Memorial Fellowship

Captain Richard Steele was a founding member of the Atlantic Chapter of the Rhododendron Society of Canada (RSCAR) and supported the creation of the Atlantic Rhododendron & Horticultural Society. He faithfully attended, and contributed to, meetings and programs. A mentor and friend to many, and with an international network of plants people, he was a major influence on horticulture, locally and further afield. RSCAR members in the early days established the tradition of the annual Steele Lecture, the objective being to bring a top-ranking plants person to Nova Scotia as a guest speaker. Captain Steele died March 14th 2010.

Eligibility: Awarded to a final year undergraduate student in the Faculty of Agriculture who intends to pursue plant-related studies at the graduate level.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stewiacke Valley Garden Club Scholarship

Stewiacke Valley is located in the Southern area of Colchester County. The Stewiacke Valley Garden Club is involved in the beautification of the Valley, as the Club is a part of the Nova Scotia Association of Garden Clubs which promote the general landscape beautification of the province. The Club hosts a multitude of events, such as speakers on Horticulture, etc., bake sale events, plant sale events, and more.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicant must be from the Stewiacke Valley area of Nova Scotia.

Selection criteria include involvement in extra-curricular and community affairs, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

William D. Swetnam Memorial Award

Raised in Port Mouton and Liverpool, NS, William (Bill) Swetnam, graduated from the former Nova Scotia Agricultural College in 1956. Bill discovered what he was destined to do when he purchased a farm in Sheffield Mills, NS in 1958. Throughout his career, Bill dedicated countless hours to many boards. As a founder of the Nova Scotia Turkey Marketing Board he also spent time on the County South and East Livestock Health Services Board, the NS Crop and Livestock Insurance Commission, Canadian Livestock Feed Board Advisors Committee, as well as Nova Scotia Farm Loan Board. Bill also served as president of the Kings County Federation of Agriculture and became a member of the Council of Leaders with the Federation. Bill's dedication to his community has not gone unnoticed. In 2002 he was honored by the Queen with the Golden Jubilee Medal. Bill has truly distinguished himself in his area of expertise, bringing honour to the former NSAC and the Alumni Association. It is for this reason, an award has been created in his memory.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program who have displayed leadership qualities during their program. Applicants must be permanent residents of one of the Atlantic provinces.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Syngenta Canada Inc. Awards

Syngenta is one of the world's leading companies with more than 28,000 employees in some 90 countries dedicated to their purpose: Bringing plant potential to life. Syngenta's mission is to make a difference for smallholders in developing countries. By helping them become more professional growers, they want to achieve added value for rural communities. One way they do that is through technical innovation. Equally important is access to markets, enabling smallholders both to buy inputs and sell their produce. These and other factors are all essential for sustainability successful agriculture.

Eligibility: Available to a technical or undergraduate student in any program in the Faculty of Agriculture. Awarded to students whose course and project work reflect an interest in the Maritime potato industry. Applicants will be required to submit a 300-500 word essay expressing opinion on a topic relating to the crop protection industry. Selection criteria include academic performance, and potato farm experience or background.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bruce Trenholm/Atlantic '86 Scholarship

Bruce was born on the family farm in Grand Pre, Kings County, he graduated from the former Nova Scotia Agricultural College and MacDonald College, receiving his Bachelor of Science Degree in Animal Husbandry in 1947. Upon graduating from McDonald College he served as the Agricultural Representative in Yarmouth and then taught Animal Husbandry at the former Nova Scotia Agricultural College for three years. In 1952 he took over the family farm going on to establish the well-known Brulo herd. Bruce's contributions to agriculture have been many and varied and are worthy of recognition in the Atlantic Agricultural Hall of Fame. He had a lifelong interest in Holstein cattle and was Master Breeder and Past President of Holstein Canada. In 1986, the year of Bruce's death, he coordinated Atlantic '86 – the Annual National Convention of Holstein Canada. This scholarship was established in his name as an on-going memorial.

Eligibility: Available to students entering their final year in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces, have a Holstein farm or 4-H (Holstein calf project) background. Selection criteria include academic performance and career goals.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

University Medal in Agricultural Business

Awarded to the graduating Agricultural Business student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Agricultural Economics

Awarded to the graduating Agricultural Economics student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Animal Science

Awarded to the graduating Animal Science student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Aquaculture

Awarded to the graduating Aquaculture student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Landscape Horticulture

Awarded to the graduating Environmental Landscape Horticulture student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Sciences

Awarded to the graduating Environmental Sciences student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Integrated Environmental Management

Awarded to the graduating Integrated Environmental Management student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in International Food Business

Awarded to the graduating International Food Business student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Plant Science

Awarded to the graduating Plant Science student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Florence (Pineo) Ward Memorial Award

The Florence (Pineo) Ward Memorial Award was established by James Pineo in memory of his late sister, Florence. James wanted to leave a legacy behind for his sister, and help support the academic efforts of agricultural students, such as his niece Lisa (Orlando) Gowan, a BSc(Agr) Agricultural Chemistry graduate.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture. Preference will be given to students from Boutillier's Point, Halifax County, and Advocate, Cumberland County. Awarded to students in financial need. Preference will be given to students with sound academic background who have come to the Faculty of Agriculture for technical training to enhance their employability but financial constraints are limiting their ability to continue their studies.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Raymond Webber Memorial Scholarship

Ray was born and raised in Halifax, Nova Scotia. Upon completion of High School, Ray took a business course and worked in an office for the next five years. This soon became boring so Ray entered the “Nova Scotia Agricultural College” (now known as the Faculty of Agriculture) in Truro in 1928. After completing his studies at Truro, he attended MacDonald University in Montreal where in 1931 he received a Bachelor of Science Degree in Agriculture. After graduation, Ray went to work for Canada Agriculture in the Plant Protection Branch in Halifax in an administrative capacity. Due to Ray’s sincere dedication and commitment to Landscape Atlantic, a memorial scholarship has been established in his name to ensure his legacy lives on long into the future.

Eligibility: Available to students entering second year of the Diploma in Technology (Managed Landscapes) program at the Faculty of Agriculture. Selection criteria include academic performance and practical skills.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$800

Michael Whidden Memorial Award

Awarded to a student who has provided leadership on the Faculty of Agriculture’s Woodsmen Team, and has maintained a sound academic performance.

Eligibility: Available to current technical and undergraduate students at the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Wild Blueberry Producers Association of Nova Scotia Scholarship

The Blueberry Producers Association of Nova Scotia is a grower organization with approximately 1000 members from around the province. The Association promotes the production and consumption of wild blueberries. It constantly strives to keep growers informed of the newest technology available for both growing and harvesting. As well, it helps provide the producers with an adequate return to management, labour and capital.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program with Plant Science majors. Preference given to someone with interest and experience in small fruit. Selection will be based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

Eric Williams Memorial Scholarships

Born in 1938 Eric P. Williams started farming in 1959 with nine cows and twenty acres. Today the Williams’ family own and operate a two hundred head Holstein dairy farm in the Goulds and employ a nephew and one other worker. Eric worked hard to introduce supply management for milk producers in Newfoundland. In 1983 he was appointed the first chair of the Newfoundland Milk Marketing Board now known as the Dairy Farmers of Newfoundland and Labrador. During his lifetime he fought to improve the cost of production formula for milk producers in the province. Eric was also nominated by the Dairy Farmers of Newfoundland and Labrador in recognition of his tremendous contributions to agriculture, to become an inductee into the Atlantic Agricultural Hall of Fame. It is for the same reasons that the Dairy Farmers of Newfoundland and Labrador have established a scholarship in his memory for his dedication and commitment to agriculture.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program in the Faculty of Agriculture.

Applicants must be permanent residents of Newfoundland and Labrador. Selection will be based on academic performance. Typically one award is given to a technical student and the other to an degree-seeking student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Zhuhui Ye Memorial Award

This fund was established by classmates of Zhuhui Ye (Kevin) to honour his memory. Kevin attended the former Nova Scotia Agricultural College as part of the FAFU 2+2 program, earning his BSc(Agr) in Aquaculture in 2012. Kevin continued his studies with the Dalhousie MSc. program. On September 8, 2012, Kevin lost his life in a drowning accident at Dollar Lake Provincial Park. Kevin is well remembered as an intelligent, popular, and outgoing man whose generosity touched the lives of many friends. The intent of the Zhuhui Ye Memorial Award is to further the understanding of culture and relationship between Chinese and Canadian students by supporting the FAFU/DAC 2+2 program.

Eligibility: Award to a Chinese student in the FAFU 2+2 program or another student demonstrating a commitment to and involvement with the FAFU 2+2 program at the Faculty of Agriculture, in addition to academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadlines

Value: \$500

Business and Social Sciences

Faculty of Agriculture Alumni Family Scholarships

In celebration of the fact that many students at the Faculty of Agriculture are family members of AC Alumni, the Alumni Association decided to establish a Family Bursary for the first time in 2008. There are several bursaries available for family members of Alumni attending the Faculty of Agriculture.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500 - \$1,000

Faculty of Agriculture Athletic Bursaries

Awarded to returning student varsity athletes.

Eligibility: Available to current student varsity athletes in any undergraduate program in the Faculty of Agriculture. Applicants will have demonstrated financial need, satisfactory academic standing, and be recommended for the award by a coach.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Faculty of Agriculture Bursaries

The Faculty of Agriculture has established a fund which will provide bursaries to assist students in need of financial assistance. Students in need of financial assistance can apply for a bursary on an ongoing basis throughout the academic year.

Eligibility: Available to current students at the Faculty of Agriculture who have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Animal Nutrition Association of Canada (Atlantic Division) Scholarship

The Animal Nutrition Association of Canada (Atlantic) Scholarship was established in 1989 for a student who successfully completes their second year of B.Sc. (Agr.) program. The Animal Nutrition Association of Canada (ANAC) is the national trade association of the livestock and poultry feed industry. The 170 members include feed and ingredient manufacturers and distributors, as well as suppliers of a wide range of goods and services to the feed industry. Taken together, ANAC's membership represents 90 percent of commercial feed manufactured in Canada.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program who have demonstrated leadership in student and community affairs, strong academic performance, and who are not receiving other scholarships of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ralph H. Armstrong Memorial Award

Established in memory of Ralph Armstrong of North Kingston, Kings Co., Nova Scotia. Ralph was well known for his breeding of dual-purpose Shorthorns and marketing of livestock. His prize Shorthorns had been exhibited under the Brookmont Farms name for more than 30 years at Exhibitions throughout Nova Scotia, the Royal Winter Fair in Toronto, and in the 1980 World Shorthorn congress in Calgary. Mr. Armstrong was an honoured member, Secretary and Past President of the Nova Scotia Shorthorn Association, Vice President of the Annapolis County Exhibition, Past Director of the Atlantic Winter Fair and Past Director of the Maritime Shorthorn Association.

Eligibility: Available to former or current 4-H club members from Kings or Annapolis Counties in Nova Scotia who have completed their first year of study in any undergraduate program at the Faculty of Agriculture. Selection is based on financial need and involvement in school, athletic and/or community organizations.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$400

Associate Dean's Scholarship

Established by the Faculty of Agriculture and has built on a proud history of industry-leading education and research.

Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program. Awarded based on academic merit.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Atlantic Council of Crop Life Canada Awards

CropLife Canada is the trade association representing the manufacturers, developers and distributors of plant science technologies, including pest control products and plant biotechnology, for use in agriculture, urban and public health settings. They strive to ensure that the benefits of plant science innovations can be enjoyed by both farmers and consumers. CropLife Canada promotes sustainable agricultural practices and are committed to protecting human health and the environment.

Eligibility: Available to current students in the Diploma of Technology programs in the Faculty of Agriculture. Recipients will be from agricultural backgrounds and plan to pursue employment in the agricultural sector. Preference is given to students whose backgrounds, course and project work, summer employment, and career plans reflect an interest in the crop protection industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Atlantic Farm Mechanization Show Scholarship

The Atlantic Farm Mechanization Show is an event that is held bi-annually that mainly focuses on the newest, innovative ideas in the agricultural industry. Farming has changed dramatically over the last few decades. New farming ventures are becoming increasingly popular, from large tract farms that are operated by multi-nationals, to small individual bed plots. According to The Atlantic Farm Mechanization Show, "innovation has always been the most powerful tool in a farmer's tool box and will continue to be so into the future."

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) in Integrated Environmental Management program at the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Fertilizer Council Award

Eligibility: Awarded to a student from Atlantic Canada in the second year of a diploma program related to crop protection. Selection criteria include farm interests, leadership qualities within the University community, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

Atlantic Poultry Incorporated Scholarship

The Atlantic Poultry Incorporated Scholarship was created in 2012. API (formerly ACA Co-operative Limited) has had many changes over the years. Most recently becoming incorporated in March 2012 and then in 2013 growing the company with the purchase of Clarks Chick Hatchery in New Brunswick and Island Chick Hatchery in Newfoundland.

Eligibility: Awarded to a student enrolled in the BSc(Agr) degree, with preference to a student pursuing an Animal Science major. The recipient will have graduated from a high school in Atlantic Canada, and demonstrate strong academic performance and a career interest in poultry.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Atlantic Poultry Conference Award

The Atlantic Poultry Conference is the key meeting place for producers and service providers to gather and discuss and share their news, the Conference is held once per year. Speakers who attend the Conference address a number of topics that cover: ventilation, energy, health, reducing feed costs, transportation, eggs, chickens and turkeys.

Eligibility: Awarded to a student whose course and project work reflect an interest in poultry. Preference will be given to final year students in the BSc(Agr) program who have either completed or have plans to complete a poultry-related research project in RESM 4002 and RESM 4003. This scholarship is awarded in odd years.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Paul Babineau Memorial Scholarship

The Paul Babineau Memorial Scholarship was established by the Atlantic Farm Mechanization Show in memory of Paul, a former Director of the Atlantic Farm Mechanization Show. Paul was the owner and operator of Babineau Equipment Ltd, he was a 4-Wheeler enthusiast, and a director with the Atlantic Farm Mechanization Show.

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) Integrated Environmental Management programs in the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Dr. Roger S. Bacon Scholarship in Agriculture

Dr. Roger S. Bacon was a dairy farmer and blueberry producer from Cumberland County, Nova Scotia. He was also a long standing MLA from this area. During his political career, he was a well-respected and long serving Minister of Agriculture and for a time Premier of Nova Scotia. In keeping with his lifetime interest and service to Agriculture, Dr. Bacon has made a donation to establish an endowed fund to support a new scholarship at the Faculty of Agriculture.

Eligibility: Awarded to a Nova Scotia student entering the final year of any program at the Faculty of Agriculture who has plans to pursue a long term career in agriculture. Selection criteria include career plans, academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$2,000

Doug Bailey Memorial Bursary

Doug Bailey had a lengthy and successful career at Farmers Dairy. It began at what is now known as the Middleton Spreads Plant in 1968 when Twin Cities Dairy acquired J.D. MacKenzie's Limited. Doug held many managerial positions over the years, including General Manager of the Truro Cheese Plant and Vice-President and General Manager of Central Dairies in Newfoundland. He was appointed President and Chief Executive Officer of Farmers Dairy in 1987, a position he held until his death in 1996. One of Doug's greatest strengths was his leadership ability, which he demonstrated not only with Farmers Dairy but also throughout the industry. The Farmers Dairy Board of Directors established this Bursary in memory of Doug.

Eligibility: Awarded to a technical, undergraduate, or graduate student at the Faculty of Agriculture who is a family member of a Farmers Dairy shareholder or employee. Selection criteria include leadership, extracurricular and community activities, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$2,000

Bible Hill Garden Club Scholarship

The Bible Hill Garden Club, originally referred to as Hillcrest Landscape Club was first organized in January of 1947. The group was created to promote the improvement of home grounds, assist in the beautification of community grounds, local parks and schools. Over the years, the group has gained popularity and has grown from 17 members to over 60, mostly women who range in age of 50-60. The group contributes to the Faculty of Agriculture through help supporting students with the bursary they have created.

Eligibility: Available to current students who are permanent residents of the Truro area, in any undergraduate program at the Faculty of Agriculture, with preference given to students in at least the second year of study in Horticulture, preferably a landscape program. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

David W. Brown Memorial Scholarship

The David W. Brown bursary is an ongoing demonstration of appreciation to the foundation of the David Brown United Limited by Atlantic Poultry Incorporated formerly ACA Cooperative Limited. Initiated in November 25, 1976; the company has continued to fund an annual memorial scholarship.

Eligibility: Available to students who have graduated from a high school in Atlantic Canada and who are entering the second year of a technical program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, an interest in farming, and an interest in the poultry industry.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Edward Brown Memorial Undergraduate Bursary

The Edward Brown Memorial Undergraduate Scholarship was created in memory of Edward Brown under the estate of his wife, Dorothy Aveleigh Brown. Edward attended the Agricultural Campus and graduated in 1954.

Eligibility: Available to a Bachelor of Science (Agriculture) student, with preference to a student in the fourth year of study from Atlantic Canada.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Merle Cail Memorial Scholarship

The Merle Cail Memorial Scholarship Fund was created by Merle's wife, Faye Cail in memory of Merle's dedication to organic agriculture. Born in Rexton, New Brunswick, Merle was heavily involved in his community. He attended Zion Presbyterian Church, was director of Northumberland Co-operative and Cartier Co-operative, member of the Kent Agriconservation club, Moncton Holstien Association, Kent Farmers Association, Dairy Farmers of NB, and many more. Merle also had a dedicated career as a farmer.

Eligibility: Awarded to a senior undergraduate or graduate student from Atlantic Canada studying in the Faculty of Agriculture whose course and project work reflect an interest in organic agriculture. Selection criteria include academic performance, financial need and commitment to organic agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Vera Caldwell Memorial Bursary

Vera Caldwell was born on June 3rd, 1924 in Hants County. She was a very devoted and involved member of the Newport United Church, serving as a Steward, Sunday School Teacher, and as a Youth Group Leader. Vera taught school for more than 25 years, first beginning in a one-room schoolhouse and ending her career at Brooklyn District Elementary School in 1989. As shown by her achievements, Vera was dedicated to the educational system and being a life-long learner. She was passionate about international education and actively supported education for children from developing nations. Due to her sincere involvement and passion in the educational system, a bursary has been created in her memory.

Eligibility: Awarded based on financial need to full-time technical or undergraduate international students at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Canadian Agricultural Economics Association Prize

The Canadian Agricultural Economics Association presents a book prize to a graduating student from the Agricultural Economics or Agricultural Business option of the BSc (Agr) program. This prize is selected on the basis of overall performance.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Canard Conservation Undergraduate Scholarship

Dr. Charles Albert Eaves was born February 21st, 1908 in Liverpool England. Charles immigrated to Canada in March 1926 and in 1932 received his B.Sc. from McGill. In 1933 he attended Cambridge University on an I.O.D.E overseas scholarship before returning to McGill to receive his MSc. degree in 1937. On October 25, 2000, he received an Honorary Doctorate from Dalhousie University and the former Nova Scotia Agricultural College, now Dalhousie Faculty of Agriculture. The Canard Conservation Scholarships were established by Dr. & Mrs. Eaves to provide a graduate and undergraduate scholarship each year for students of Kings County focusing on environmental studies related to agricultural practices with particular reference to dyke land preservation and the general conservation of soil and water reserves.

Eligibility: Awarded to a student who is a permanent resident of Kings County, Nova Scotia, in the first or second year of the Bachelor of Science (Agriculture) program who is planning course and/or project work related to the environment. Selection criteria include academic performance, demonstrated interest in the environment, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

James Card Memorial Bursaries

James Card was born in Windsor, Nova Scotia on October 12, 1924. He was a life-long farmer in Centre Burlington and was a former West Hants Municipal Councillor and was also a 4-H Club leader. As a part of James estate, three awards have been sponsored in his memory.

Eligibility: Awarded to students in financial need, with preference to international students, who are studying at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 3 @ \$1,000

Chartwells Scholarships

Chartwells is a catering/food service company that specializes in providing services to higher education students. They are committed to providing programs and solutions to students to fit their unique needs and requests. Chartwells understands that a well-balanced diet is integral to an individual's state of mind and long-term happiness. Providing students with a high-quality food service isn't the only commitment Chartwells has made, they also offer multiple scholarships for both graduate and undergraduate programs.

Eligibility: Available to current students with high academic performance in any undergraduate program in the Faculty of Agriculture at Dalhousie who have not received other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gerard Chiasson Memorial Award

Gerard Chiasson was born in 1931 in Margaree Forks, Inverness County, Nova Scotia. Gerard was very involved in outdoors activities, he was a farmer, fisherman and lumberman. He was also very involved in his community, he was a past president of the N.S. Woodlot Owners Association and The N.S. Federation of Agriculture,

Inverness County Federation of Agriculture, Margaree Credit Union, Margaree Gasperaux Fisherman Association, and Eastern Dairy Foods Co-op. He was former chief of the Margaree Volunteer Fire Department, former chairman of the Margaree River and Community Protection Community, former member of the board of N.S. Volunteer Planning and was also the president of the N.S. Landowners and Forest Fibre Productions Association. As a result of Gerard Chiasson's sincere commitment and his lifetime of contributions to the Nova Scotia Federation of Agriculture and community organizations, a scholarship has been created in his memory. Eligibility: Available to upper-year students in any undergraduate program in the Faculty of Agriculture who are residents of Cape Breton (with preference given to those from Inverness County). Selection criteria include financial need, involvement in community activities, and leadership. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$500

Chicken Producers of Nova Scotia Award

Eligibility: Available to current students from Nova Scotia in any undergraduate program in the Faculty of Agriculture at Dalhousie. Applicants will demonstrate interest in pursuing the study of poultry. Preference will be given to applicants with a farming background. Students may not receive this award more than once. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$1,000

Class of 1950 Award Fund

The Class of '50 Award was first established in 2000 at the Class of 1950, 50th anniversary weekend celebration. President, Don Young and Vice-President, Jack Johnson spearheaded the campaign to get their classmates involved in their commitment to help future AC students. The group recognizes the difficulty that young students face to finance their post-secondary education, as they too faced similar challenges. After a great deal of preparatory work from Don, Jack and Cliff McIsaac, a proposal was created for the Class of '50 Award fund of to assist deserving students to "stick with it." The group of classmates have made and continue to make significant contributions to the campus and students. Eligibility: Available to current students in financial need in any technical or undergraduate program in the Faculty of Agriculture. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$1,000

Charles M. Collins Memorial Scholarship

The scholarship is in memory of Charles McKittrick Collins who spent the years 1936-1962 working in various positions in the agricultural industry in Nova Scotia, including teaching at Dalhousie's Agricultural Campus for twenty-five years. Collins Horticultural Building on the Dal-AC campus is named in his honour as well. Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in the Bachelor of Technology program in Environmental Landscape Horticulture who have not qualified for other significant awards. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$1,200

George and Lottie Cook Memorial Scholarship

Lottie Cook first developed her passion for agriculture on her family farm on Cape Breton Island. Lottie's parents were pioneers in the agricultural industry, and her father a renowned farmer. At a young age Lottie became involved in 4-H where she achieved some of the club's top honours. She later graduated from the former Nova Scotia Agricultural College and worked as an assistant agricultural representative to J.C.F MacDonnell for many years. In 1943 Lottie married George Cook and the pair later opened a chick hatchery in Truro and became one of the foremost producers of high quality chicks in the Maritime Provinces. After the passing of her husband in 1954, Lottie continued to operate the family business. Due to Lottie's involvement in the agricultural industry and former NSAC community from both herself and family business, a scholarship has been created in her and her husband's name. Eligibility: Available to students from Nova Scotia in the first or second year of a technical or undergraduate program at the Faculty of Agriculture. Selection criteria include academic performance and financial need. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$500

Co-op Atlantic Scholarships

Co-op has established a scholarship open to employees and dependents of members of Co-op Atlantic. Co-op is an association of volunteer board members who have joined together to create a business that can supply products and services at a fair and reasonable cost. Specifically, Co-op focuses on a shared partnership with the members of the community in which it resides. The most unique attribute of the Co-op is its democratic control. The control is left to the members only, and is not powered strictly by a dollar figure. This allows for farmers and other entrepreneurs to grow and prosper, all while offering goods and services at a low cost to their customers. Eligibility: Awarded to current first year students at the Faculty of Agriculture based on academic performance, demonstrated leadership ability, extracurricular and community involvement, work experiences, and interest in and understanding of co-operation and co-operatives. Applicants must be employees or dependents of members of Co-op Atlantic. Application Type: See dal.ca/scholarships for more information Application Deadline: September 20 Value: \$3,000 (degree) and \$1,000 (diploma)

Dr. Kenneth Cox Memorial Scholarship

The Dr. Kenneth Cox Scholarship was created by the class of 1964 as a tribute for the retiring Principal of the former Nova Scotia Agricultural College. Dr. Kenneth Cox followed a very distinguished career in the Maritime agricultural industry. His early training was at the former NSAC, now known as the Faculty of Agriculture, where he graduated with the Class of 1921. He continued his studies at the Ontario Agricultural College graduating in 1924 with a Bachelor of Science in Agriculture. Eligibility: Available to students entering the final year of the Bachelor of Science (Agriculture) program or a diploma program. Application Type: Faculty of Agriculture In-Course Award Application Application Deadline: Check dal.ca/scholarships for application deadline Value: \$250

Dairy Farmers of Nova Scotia Award

The Dairy Farmers of Nova Scotia organization was created through legislation enacted in 2001, and replaces the former Nova Scotia Dairy Commission. The organization exists under the umbrella of the Natural Products Marketing Council of the Department of Agriculture. The Dairy Farmers of Nova Scotia bursary has been active since 1989 and continues to help support students with their post-secondary education.

Eligibility: Available to a third or fourth year Bachelor of Science (Agriculture) student or a graduate student from Nova Scotia undertaking course or project work related to the dairy industry. Selection criteria include proven interest and experience in the dairy industry, the potential beneficial impact of study on the Nova Scotia dairy industry, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dartmouth Horticultural Society Scholarships

The Dartmouth Horticultural Society is a gardening club whose aim is to promote, enrich and expand the practice of amateur gardening. Monthly meetings are held where their guest speakers from inside and outside the Society share their knowledge. In addition club experts are available for formal and informal exchange of ideas. Some of the club's activities include a plant sale, a flower show, the planting and maintaining of a raised bed in Leighton Dillman Park, plant exchanges, and garden tours

Eligibility: Available to upper-year students in any plant-related undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to students from the Halifax Regional Municipality, followed by all Nova Scotia residents, followed by residents of other Canadian provinces. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dalhousie Agricultural Students' Association Awards

Dalhousie Agricultural Students' Association (DASA) is the student association for all students at the Dalhousie Agricultural Campus. DASA is the official voice of the student body, and provides leadership and vision for the students of the Agricultural Campus. DASA promotes student engagement and leadership through various campus activities including Orientation, Shinerama, College Royal and Winter Carnival. DASA also promotes student engagement within the surrounding communities of Truro and Bible Hill. DASA works closely with Student Services and Administration to collectively provide a welcoming community dedicated to higher learning and service to the community.

Eligibility: Awarded to students enrolled in the Faculty of Agriculture who have demonstrated, in the current academic year, exceptional school spirit and involvement in any or all of the following: DASA sponsored events, volunteering, campus community leadership.

Application Type: Automatic Consideration – No Application Required

Value: 2 @ \$300

K. de Geus Memorial Prize for Plant Science

The K de Geus Memorial Prize was created in memory of Klaus de Geus. Klaus, met his wife, Christina "Tina" de Geus, in DeBeemster, The Netherlands. Klaus and Tina immigrated to Canada in 1957 with their three children, Gram, Louise, and Tineke. When they arrived in Canada, they decided to settle in Nova Scotia where they made a new life for their family, including setting up and running a successful flower shop and landscaping business in Bridgetown. Tina took great pleasure in her work as a floral designer. Over the years, she gave many demonstrations on all aspects of floral designing. This led to a career in teaching floral design in the continuing education department of the former Nova Scotia Agricultural College.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture, based on high standing in course work, with preference to students in the Horticultural field.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Ernest L. Eaton Memorial Scholarship

Throughout Mr. Eaton's lifetime he maintained a keen interest in scientific agriculture, and the education and development of the interested young people. He personally established the Ernest L. Eaton Scholarships, and made provision for them to continue in perpetuity. Although none of his children are directly active in farming, they all are interested in, and support, the fine work being done at present at the Agricultural Campus. The hope for the recipient of the Ernest L. Eaton Scholarship is to encourage the pursuit of excellence in both academic and scientific activities.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program based on performance in second year. Recipient cannot have received another scholarship of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Egg Farmers of Newfoundland and Labrador Scholarship

The Egg Farmers of Newfoundland and Labrador (formerly the Egg Producers of Newfoundland and Labrador) is a commodity board governing the production of eggs.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Newfoundland and Labrador.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Noel Enman Memorial Award

To honor the memory of Noel Enman, a former Agricultural Campus Animal Science Technician-Agricultural Technology student, 1979-1982, the Alumni Association has established a fund for the Noel Enman Memorial Award.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture whose personality and fellowship have contributed to student life and activities, thereby gaining the respect of the students and faculty.

Application Type: Automatic Consideration – No Application Required

Faculty of Agriculture Mature Student Bursary

At the Faculty of Agriculture, the student body demographics have shifted dramatically over the past generation. We have increasingly more students transfer from other institutions or begin studies as a visiting or mature student. The 2012 Annual Appeal for the Faculty of Agriculture focused on raising funds for an endowment that would benefit mature students. In addition, alumnus Charles MacQuarrie directed that his planned gift benefit Faculty of Agriculture mature students.

Eligibility: Students enrolled at the Faculty of Agriculture in full-time studies who demonstrate financial need and are mature students (as defined by the Registrar's Office).

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$1,000

Fall River Garden Club Bursary

The Fall River Garden Club's mission is to promote the improvement of home and community flower and vegetable gardens, lawns, trees and landscaping through friendly sharing of information, work and education. During the year they run fund raising events in order to raise money to beautify the neighborhoods. Their main fundraiser is their annual plant sale followed by an area garden tour whereby members open their gardens for viewing to the general public. The monies raised at these events go towards supporting Santa's Express and giving a Bursary to a student at the Agriculture Campus studying horticulture. In addition, the gardens maintained in the surrounding areas are also funded from these events.

Eligibility: Available to a first year student in a Horticulture program at the Faculty of Agriculture in good academic standing, with preference given to students from the Fall River, Waverley, Wellington, Oakfield, Lakeview or Windsor Junction, Nova Scotia areas. Other residents of Nova Scotia will be considered. Applicants will have demonstrated financial need and well-developed career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Farm Credit Canada Scholarship

The Farm Credit Corporation is a crown corporation wholly owned by the Government of Canada. The Corporation's mission is to "provide the Canadian farmer with a reliable source of long term credit and personalized counselling services." Farm Credit Corporation strongly believes in the farm community and the education of youth. The Farm Credit Corporation Bursary is their way of demonstrating their commitment to the betterment of the young people in the community.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Applicants must be Canadian citizens who are Agricultural Economics or Agricultural Business majors. Selection criteria include academic performance, interest and competence in farm management and in the subjects associated with the economics of the farm business, interest and involvement in college and home community as demonstrated by participation in organizations and affairs, farm experience, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Farm Focus Scholarship

Farm Focus of Atlantic Canada is an agricultural newspaper that covers the Atlantic Provinces and their diverse food production. The publication contains information on the various sectors of the agricultural industry, including: regional, national, and international news; profiles on farms and farm families; 4-H; features on new innovations and technology; and editorials and opinions on issues of importance to the farming community.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture at Dalhousie. Selection is based on financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Ena Fenton Memorial Scholarship

Ena Fenton was a founding member of the Bedford Horticultural Society in 1950. Ena was an enthusiastic and willing participant in every function of that group for 47 years. Mrs. Fenton had been a teacher prior to her marriage and had always been interested in the education of young people. After her death in 1977, the Society decided to name their scholarship in her honor. They feel certain that she would have been very pleased by their acknowledgment of her interest in the development of Horticulture and Landscaping in Nova Scotia.

Eligibility: Available to students studying Horticulture or Environmental Studies, entering the second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to those from Bedford, Sackville, and Waverley. In years when no student from Bedford, Sackville, or Waverley applies for the scholarship, consideration will be given to other students from the Halifax Regional Municipality (excluding those from Halifax and Dartmouth). Selection will be based on financial need, career plans, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. J. Fraser Memorial Prize in English

The H.J. Fraser Memorial Prize was established in memory of H.J. Fraser who taught at the Agricultural Campus.

Eligibility: Awarded to a second year student who has excelled in first year English at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$50

Dr. Gerry W. Friars Undergraduate Research Prize

Dr. Friars, a former NSAC Alumnus, was introduced to scientific research by an undergraduate research project. This was the beginning of a career in research in teaching. In recognition of the significance of this first research experience, Dr. Friars has provided a sum of money to endow an Undergraduate Research Award.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture who is judged to have completed the best written research report as part of the fourth-year project requirements.

Application Type: Automatic Consideration – No Application Required

Value: \$250

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Bronze Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of technical programs.

Application Type: Automatic Consideration – No Application Required

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

Kevin Grant Memorial Scholarships

In memory of Kevin Grant, Class of 1975 (Animal Science Technician diploma).

Eligibility: Available to students entering their final year in any two-year diploma program at the Faculty of Agriculture, with preference given to students enrolled on a full-time basis. Selection criteria include academic performance, leadership and contribution to campus life, career plans, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Green Diamond Equipment/John Deere Atlantic Agriculture Award

Green Diamond Equipment Ltd. became one of the largest privately held John Deere dealer organizations in Eastern Canada on November 1, 2008, with the consolidation of Planters Equipment Limited (NS) and PEI Farm Equipment (PEI).

Eligibility: Available to a technical or undergraduate student at the second year level or above who is a Canadian citizen from Atlantic Canada studying in the Faculty of Agriculture. The recipient will have a farming or agricultural background, demonstrate financial need, and have a life goal of working in agriculture in Atlantic Canada. A career in agriculture includes all areas from traditional farming, to engineering, to horticulture, to landscaping, and whether working in agri-business or with government.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Chuck Harrison Memorial Scholarship

The Chuck Harrison Memorial Scholarship was created in memory of Chuck Harrison who attended the Agricultural Campus and graduated in 1970.

Eligibility: Available to students entering their final year of the Diploma in Business Management program. Selection criteria include leadership, involvement in athletic and other activities, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Jennifer Hayes Starratt Scholarship

The Jennifer Hayes Starratt Scholarship was created by Jennifer's husband, Mark, as a Christmas gift. Jennifer Starratt attended the Agricultural campus and graduated in 1996 with a Bachelor of Science in Agriculture. According to her husband the Agricultural campus holds a very special place in Jennifer's heart and having a scholarship created in her name, is something very special to her. Due to the couple's success in their professional lives, they were able to create a legacy to give back to the communities that have helped enrich their lives.

Eligibility: Available to female students entering their final year of the Bachelor of Science (Agriculture) program, with preference given to students who have completed their first three years at the Faculty of Agriculture. Selection will be based on academic performance, leadership, and involvement in campus activities. The scholarship will not be awarded to a student receiving other significant scholarships.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

Anna Helvig Schousboe Memorial Scholarship

This scholarship was established with the Department of Agriculture, Fisheries and Aquaculture, Government of New Brunswick, in memory of Anna Helvig Schousboe. Anna and her husband Gustav emigrated from Denmark in 1928 and became lifelong Kings Co. NB farmers and also very active in their community. Always strong believers in the value of education, after her death in 1993 Gustav endowed this scholarship in her memory to assist New Brunswick youth in pursuing studies in the agricultural field.

Eligibility: Awarded to a resident from Kings County, New Brunswick, working towards a degree or diploma in agriculture at the Faculty of Agriculture. Applicants must be permanent residents of Kings County, New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

John Higgins Memorial Scholarship

John was a founding member of The Atlantic Association of Landscape Designers in 1992. He was instrumental to the development of Canada's first ever Certification Program for Landscape Designers, which was available to all designers in the Atlantic Region, and pre-empted the National Certification Program by several years.

John Higgins' dedication and enthusiasm for the Landscape Design Industry throughout his career was unfaltering, his contributions immeasurable. It is for these

reasons that AALD decided to offer a Design Scholarship for students attending the AC, to be dedicated in his name. The Atlantic Association of Landscape Designers hope is that, in part through this scholarship, his legacy will live on.

Eligibility: Available to students entering third year of the Bachelor of Technology in Environmental Landscape Horticulture program in the Faculty of Agriculture.

Selection criteria include academic performance and skill and interest in landscape design.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Bill Jenkins Memorial Scholarship

Bill's career began early and always had the same theme; to improve farm management and education. He held numerous positions with the Provincial Department of Agriculture, the Faculty of Agriculture at Dalhousie University, as well as Chairman of the Nova Scotia Farm Land Settlement Board. Bill retired as Principal of the former NSAC (now Dalhousie Faculty of Agriculture) in 1972 after witnessing growth in both the level and training for all sectors of the agricultural industry. He then joined the staffs of the Council of Maritime Premiers' Higher Education Commission, Services Overseas (CESO) in 1992. As a result of Bill Jenkins' sincere commitment to his chosen career path, and his lifetime of contributions to both the AC and the Agricultural Industry, a scholarship has been created in his memory.

Eligibility: Available to students entering second or third year in any of the business degree programs in the Faculty of Agriculture. Selection criteria include overall academic performance, leadership, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Randy and Gladys Keddy Memorial Scholarship

The Randy & Gladys Keddy Memorial Bursary was established by their son, Stewart Keddy in memory of his parents to provide an on-going legacy that is meaningful for family members and friends. Stewart graduated from the Faculty of Agriculture in 1967, from McGill University in 1969, and from Dalhousie Dentistry in 1974, where he was recognized for excellence in endodontics and radiology. Stewart practiced as a dentist for 37 years. He served in the Dental Corps from 1974-1979 and was a founding partner of Purdy's Wharf Dental Group from 1985 until his retirement in 2011. He held memberships in the Nova Scotia Dental Association, Canadian Dental Association, and Academy of General Dentistry.

Eligibility: Available to students entering second year of a diploma program or the third year of a degree program in the Faculty of Agriculture, with preference given to students from the Annapolis Valley of Nova Scotia with farm backgrounds. Awarded to a student whose background, program of study, course and project work and summer employment show a genuine interest in working in the agricultural industry following graduation. Selection criteria include career goals, academic performance, and financial need. Students receiving other scholarships of greater value will not be eligible for this scholarship.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Kings Mutual Insurance Scholarships

In memory of Past Directors, the Kings Mutual Insurance Company awards scholarships to students in the Faculty of Agriculture. The Kings County Federation of Agriculture represents the interest of the agricultural community in Kings County and is an active voice for its 395 members with the Nova Scotia Federation of Agriculture, Council of Leaders and provincial and national governments.

Eligibility: Available to students in any technical or undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia.

Selection criteria include financial need, academic performance, and demonstrated interest in a career in the Agri-food industry as reflected by summer employment and/or extra-curricular involvement. This scholarship is not available to students receiving other scholarships of greater value. At least one scholarship will be awarded annually to a technical-level student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

P. Max Kuhn Scholarship

P. Max Kuhn grew up on a small farm in Lawrencetown, Halifax County. He lived from 1887 until 1928 and was the father to Bernard G. Kuhn. Max attended one year of the former NSAC General Course in 1908-1909. He was not able to return the next year because of need for him at home and shortage of funds, it was a great disappointment to him. That year was his only year of formal schooling; his home was so isolated that he was never able to attend grade school or high school, and his mother taught him at home. Max was a dedicated, hard-working farmer, and he made great use of his AC training. He bought his own Manor Hill Farm in 1918, located on Woodlawn Road (Portland Street) just outside what were then the town limits of Dartmouth. He market-gardened and ran a dairy there until his death. It was Bernard's wish to establish this scholarship to recognize his father, Max, give education opportunity to others beyond what his father had, and to "repay Nova Scotia, former NSAC and Canada in small part for the education and support that he received here" (Bernard G. Kuhn).

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture at Dalhousie, with preference given to students who have completed at least one year of study. Applicants must be permanent residents of Nova Scotia, with preference to students from the Halifax Regional Municipality. Awarded to a student with a farm background or those whose course and project work and summer employment demonstrates an interest in working in the agriculture industry after graduation. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Landscape Nova Scotia Award

Landscape Nova Scotia's mission is to promote high standards in product quality, professional service and conduct in the horticultural trades industry; and to encourage the use of Association members by the public. Landscape Nova Scotia has been a voice for the landscape and horticultural industry for more than 20 years in Nova Scotia, and are committed to providing consumers with options to make informed decisions.

Eligibility: Available to students in a landscape-related undergraduate program in the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

AB & JE Langille Brothers Scholarship

Alan Langille graduated from the Nova Scotia Agricultural College in 1958 and went on to have a career as a plant physiologist and professor at the University of

Maine. Alan makes this scholarship possible in memory of his two older brothers, both also NSAC Alumni. Bruce Langille (grad 1946) went on to work as a chemist for the Plant Products Lab in Ottawa. Jim Langille (grad 1947) went on to a career as an Agronomist for Nappan Experimental Farm.
Eligibility: Awarded to a third year BSc(Agr) student majoring in Plant Sciences. Preference will be given to students who have completed their first three years of study at the Faculty of Agriculture. Awarded based on academic excellence and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

C. C. MacDougall Memorial Scholarship

C.C. MacDougall was the first district agriculturist to work with the NB Department of Agriculture in Sussex. The C.C. MacDougall Memorial Scholarship was established in 1958 by a large group of agriculture groups.
Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture. Awarded to a student pursuing a degree or diploma in Agriculture. The recipient must have been a 4-H member from Kings County, New Brunswick, or have parents who raise or breed Guernseys anywhere in New Brunswick.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$250

Danny MacEwen Memorial Scholarship

Danny was an example of what typifies a farmer – not afraid of hard work, willing to give everything he had even if the financial return wasn't always there, and proud of what he did for a living and never made an excuse for it. Danny was also very involved with the community and those who lived in it. He enjoyed not only showing off his many talents but also found great satisfaction in teaching others. Although he was not known for his patience, he strived hard to achieve the best at whatever he did. Danny will always be remembered for his passion for farming, and the agricultural world is a better place because of what he gave.
Eligibility: Awarded to a BSc(Agr) student majoring in Agricultural Business who has a background in agriculture or comes from a family farm. The recipient will be involved in the community and athletics, either at the Faculty of Agriculture or in the local area.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Dr. Allan and Barbara MacKay Scholarship

Born in Heathbell, Pictou County, Nova Scotia, Dr. Allan MacKay received his early agricultural experience on the Spruce Grove Farm that had the distinction of having one of the first purebred Guernsey herds in Canada. He was a member of the Scotsburn Junior Dairy Calf Club and represented his province in the National competitions for club members at the Royal Winter Fair in Toronto in 1941. Dr. MacKay received his primary education at Heathbell School and his secondary education at Pictou Academy. He graduated from former N.S.A.C. in 1943 and obtained his Doctor of Veterinary Medicine from the Ontario Veterinary College in 1951. That same year he established a veterinary practice in Pictou County and continued his work until his retirement in 1991. Dr. MacKay is honoured for his program of animal health care, for his philosophy of preventing disease problems before they occur and his dedication to farm families in the area he served.
Eligibility: Awarded to a student with strong academic performance from the Faculty of Agriculture who plans to study veterinary medicine at the Atlantic Veterinary College.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Angus and Tena MacLellan Memorial Scholarship

The Angus and Tena MacLellan Memorial Scholarship was established by both Tena and Angus' estate. Angus and Tena were avid farmers in Cloverville, Antigonish County.
Eligibility: Available to students entering third or fourth year of an undergraduate degree program in the Faculty of Agriculture.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$250

Paul R. MacPhail PEI Potato Industry Scholarship

The roots of the Prince Edward Island Potato Board can be traced as far back as 1920, when the first Potato Growers' Association was formed on Prince Edward Island. A true marketing board followed in 1950 and was restructured as a producer controlled board under the Natural Products Marketing Act in 1990. The PEI Potato Board established this award in memory of Paul R. MacPhail.
Eligibility: Awarded to a PEI student studying at the technical or undergraduate level of an agricultural program. The recipient will demonstrate an interest in working in the potato industry through course work, research projects related to potato production and utilization (including all disciplines, e.g. pathology, biotechnology, entomology, etc). Awarded based on academic performance and the project's relevance to the improvement of the potato industry.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Edith Main Memorial Bursary

The NSVMA has created the Edith Main Memorial Bursary in her memory. Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected.
Eligibility: Awarded to a Nova Scotia student in the second year or higher of a diploma or degree at the Faculty of Agriculture who intends to pursue a career in veterinary medicine.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Joseph E. Mapplebeck Memorial Bursaries

In honour of Joseph E. Mapplebeck, who farmed for 50 years in Kings County, Nova Scotia, and in recognition of his appreciation for the importance of a good education, family members have established two bursaries.

Eligibility: Available to current second year technology students at the Faculty of Agriculture in good academic standing who demonstrate financial need. One of the two awards will be made available annually to a student in the Plant Science Technician program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bill Mathewson Memorial Award

Bill Mathewson grew up on a hill sheep farm in Sma Glen, Scotland. He graduated with a BSc (Agriculture) in 1949 and later (1974) a MSc. both from Aberdeen University. On graduation 1949, he joined H.M. Overseas Civil Service. After further training in Cambridge and Trinidad, he was posted to Tanganyika, Africa where he worked for 14 years. On retirement in 1965, he worked for three years with the N.F.U. of Scotland in Edinburgh before immigrating with his family to Nova Scotia in 1968. He taught for 20 years at the Faculty of Agriculture. Bill retired in 1988 and was honored by his colleagues by being made Professor Emeritus. Much loved by students, faculty and the agricultural industry, Bill will be greatly missed. It is with his memory in mind, that Bill's friends and colleagues at the AC launched an award in his name.

Eligibility: Available to any student registered in any program at the Faculty of Agriculture participating in an international experience. In applying for consideration, students will submit a proposal to participate in such activities as a study semester abroad toward their degree/diploma, attendance at a conference to make a presentation, a specialized training course or an internship or development project.

Application Type: Contact awards@dal.ca for more information

Value: \$1,000

Donald McInnes Award

Established in 1904, Pictou Mutual Insurance Company is the oldest mutual insurance company in Nova Scotia. Initially established by a group of farmers who sought to provide local protection for each other in the event of loss, their company has grown to include more than 3,500 local and rural policyholders. Donald McInnes was born in 1933 on the original McInnes farm on Scotch Hill Road. A graduate of Pictou Academy high school, he attended the AC, graduating in 1955. As a shareholder of Scotsburn Co-op, Donald served as Director for 22 years and Chairman of the Board for 15 years. For 35 years Donald was active in the Pictou County Farmers Mutual Fire Insurance Company. Donald served first as an agent, then as a director and manager of the company. Due to Donald's sincere involvement with both the community and Pictou Mutual Insurance Company, an award has been created in his name which is funded by Pictou Mutual Insurance.

Eligibility: Available to a student enrolled at the Faculty of Agriculture. Selection criteria include commitment to and involvement in the community and leadership provided in student activities, academic performance and financial need. A student may not be selected for this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. A. L. McLaughlin Memorial Scholarship

The H.A.L. McLaughlin Memorial Scholarship was established in memory of H.A.L. McLaughlin who taught horticultural at the Agricultural Campus from 1953 to 1971.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Clint McLean Memorial Scholarship

The Clint McLean Memorial Scholarship was established by Clint's loving family, with contributions from his many friends and colleagues. Clint loved life and had many interests including entertaining, fine cooking, travel and music. To Clint family was everything; no amount of trouble, sacrifice, or inconvenience was too much. However, his heart was in agriculture. He lived and breathed agriculture, but dairy had a special corner in his heart. Not only did he talk the talk, he walked the walk. Clint was a graduate of NSAC (Class of 1979) and Guelph University. He was also an active member of his alumni associations, serving as Vice President and President for the Agriculture College Alumni. Clint served on the Agricultural Institute of Canada Board of Directors and on numerous institute committees. He served as the chair of the Atlantic Forage Crops Advisory committee and represented the Atlantic Provinces at the National Expert Committee on Forage. Clint was a distinguished and valued member of the NB Department of Agriculture, taking a leading role in innumerable initiatives to support the true stewards of the land; the farmers of Atlantic Canada. His career was that of a scientist with a human touch.

Eligibility: Awarded to a third or fourth year BSc(Agr) student, with a preference to a student from New Brunswick and a preference to a student involved in the study of dairy. Recipients will have strong academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Miller Memorial Award

Since 1983 John Miller assisted the hog industry by coordinating and providing programs that greatly improved the industry as secretary/manager of Pork Nova Scotia. John spent countless hours educating producers and others of the cost efficient and productive way to raise and market hogs. He often spoke at the Faculty of Agriculture to students in the hog production course on the strengths of the industry. To show appreciation of this dedication, the producers and friends of Pork, NS provide an award in memory of John.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Awarded to a student whose course and project work and career plans reflect an interest in the hog industry or whose application shows interest, understanding, and appreciation for Nova Scotia's hog industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

T. Beverly Milligan Gale Memorial Scholarship

The T. Beverly Milligan Gale Memorial Bursary was established in 2010 by Bev's husband, Bob, in recognition of her spirit and love of the gardens at the Faculty of

Agriculture.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to mature students.

Selection criteria include career plans, academic performance and financial need, with preference to a student interested in landscape design and care.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Reginald (Reg) Moore Memorial Scholarships

Reg Moore was born in Economy Nova Scotia on August 25, 1917; the fifth of six children. He was educated in Economy and Bass River graduating in 1935. Reg then enrolled in Normal (Teachers) College in Truro. He taught in various locations in Nova Scotia until called up for service in the Royal Canadian Air Force in 1940. Reg served as a staff pilot and as a Coastal Command pilot in Canada and the United Kingdom. Returning to Canada in 1945 Reg enrolled in the Nova Scotia Agricultural College (now the Faculty of Agriculture, Dalhousie University). He graduated from the former NSAC in 1947. Reg spent his entire post war career at the FCC. First as a Credit Advisor, then as Branch Manager for Nova Scotia. In 1960 he was transferred to Saint John, New Brunswick as Executive Assistant to the Regional Manager Atlantic. By 1962 Reg had tired of doing office work and transfers (four in three years) so requested a transfer to field duties where he would have day to day contact with farmers. He was assigned to the Sussex, NB Office where he completed his career, retiring in 1981.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in a full-time capacity.

Applicants must be permanent residents of Colchester County, Nova Scotia and will have completed at least one year of study. Selection will be based on financial need and a cumulative average of at least 3.00.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

A. C. Neish Memorial Trust Scholarship

Dr. Neish (1916-1973) was an undergraduate at the former Nova Scotia Agricultural College in Truro. This is where he had his first contact with science and where he had won the Governor General's Medal and a Macdonald College (Quebec) Scholarship. His work on fermentation, bacterial and plant metabolism and the biosynthesis of plant polysaccharides and lignins received international acclaim. He was a Fellow of the Chemical Institute of Canada, of the Royal Society of Canada, and the Royal Society of London. Dr. Neish was the first person to be awarded the Gold Medal of the Canadian Society of Plant Physiologists, and was awarded an honorary doctorate by Mount Allison University and an honorary Doctor of Science degree by McGill University. The A.C. Neish Memorial Trust Scholarship was established by friends, admirers, and colleagues of the late Arthur Charles Neish.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Selection criteria include high academic performance and qualities of leadership as indicated by participation and achievement in both academic and non-academic activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Newfoundland and Labrador Federation of Agriculture Scholarships

To encourage local students to pursue careers in the agri-products industry, the Newfoundland and Labrador Federation of Agriculture awards two scholarships to students entering studies at the Faculty of Agriculture.

Eligibility: Available to students entering any undergraduate program in the Faculty of Agriculture directly from high school. Applicants must be permanent residents of Newfoundland and Labrador (preferably one student from the east coast and another from the west coast). Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia 4-H Council Award

4-H is a youth development organization which promotes leadership, encourages the care and responsibility of resources, and builds positive life skills to secure a sustainable future for Nova Scotia. The 4-H Council has been active for over 100 years in Canada. It is comprised of 2,400 members, 900 leaders and 100 clubs in Nova Scotia. More than 80 countries worldwide have 4-H clubs. The purpose of the 4-H program is to prepare young girls and boys for their future as adult citizens. 4-H stands for head, heart, hands, and health and the motto is to "learn to do by doing."

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include academic performance, financial need and participation in 4-H club activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Nova Scotia Animal Breeders Co-operative Limited Awards

The Nova Scotia Animal Breeders (NSAB) Co-op Limited specializes in an array of different cow options for their consumers. They offer products and supplies for cow farmers, and a multitude of service options. Some of the services offered are: artificial insemination, computer assisted herd mating, young sire program (Holstein), direct sales-owner breeders, and A.I. Sires.

Eligibility: Available to current students in the 2nd year of the BSc (Agriculture) with a major or minor in Animal Science or the 2nd year of a diploma with specialty in Dairy Farming or Agriculture. Recipients must have attended high school in Nova Scotia and demonstrate an interest in the dairy or beef industry through their farm backgrounds, course, and/or project work.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Nova Scotia Federation of Agriculture Scholarship

Since 1895, the Nova Scotia Federation of Agriculture has represented the interests of Nova Scotia's agricultural community. Today its members account for well over 90% of all agricultural production in Nova Scotia. With an organizational structure that includes representation from 13 county and regional federations and 27 recognized agricultural commodity groups, the Federation brings together over 2,400 individual farm businesses representing all aspects of primary agriculture in the province.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia with farm or 4-H backgrounds. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: 2 @ \$500

Nova Scotia Federation of Agriculture 100th Anniversary Scholarship

In recognition of the 100th Anniversary of the Nova Scotia Federation of Agriculture in 1995.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture who are permanent residents of Nova Scotia with a farm background, financial need, and good academic performance.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Nova Scotia Institute of Agrologists Scholarships

Founded in 1953, the Nova Scotia Institute of Agrologists is the provincial organization authorized under the Agrologists Act to govern the professional conduct of its members, in support of the public interest. Persons who hold themselves out to be a professional agrologist must be registered with NSIA under the Act.

Eligibility: One will be awarded to a student entering their third year of the BSc(Agr) program and the second, recognizing the current anniversary of NSIA, to a student entering their second, third or fourth year of the BSc(Agr) program. Students must be from Nova Scotia and will be selected based on academic performance, participation in school and community activities, degree of interest in agrology, career plans in the Agri-food industry, and financial need.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: 2 @ \$1,000

Novartis Award

Novartis is one of the world's leading healthcare companies, Novartis' dedication to scientific research, imagination, and new technologies has led to the creation of thousands of ground-breaking products and services in the areas of pharmaceuticals, nutrition, eye-care, and animal health.

Eligibility: Presented to the top all-round student graduating from the Veterinary Technology program who has particularly excelled in the area of parasitology.

Application Type: Automatic Consideration – No Application Required

Donald Palfrey Award

The Don Palfrey Award was established in memory of Don Palfrey in recognition of his many years of service and contributions to weed science in Nova Scotia. Don was born in Fort Fairfield, Maine. He received his formal education in Pictou County and he graduated from the AC in Truro, Nova Scotia and from McGill University in Montreal, Quebec with a Bachelor of Science in Plant Pathology. He worked for the N.S. Department of Agriculture in Marketing for 37 years, retiring as Supervisor of Weed Science, where he was a key player and helping in pioneering work in extension and research in weed control in Nova Scotia. Don also taught at the AC for 18 years, teaching courses in Weed Control and Plant Pathology. He was a distinguished life member of the N.S. Institute of Agrologists and the first honorary life member of the Atlantic Vegetation Management Association. As a result of Don Palfrey's sincere commitment to the Department of Agriculture and his field of interest, an award has been created to honor his memory and legacy.

Eligibility: Awarded to a final year undergraduate student carrying out a research project in the area of pest management, with preference to a student involved in weed science, either through academic work or summer employment.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert Parent Memorial Scholarship

The Robert Parent Memorial Scholarship was created in memory of Robert Parent who attended the Agricultural Campus and graduated in 1921. His wife, Laura E. Daisy Parent, left in their estate, wishes to establish a scholarship in his memory.

Eligibility: Available to an outstanding current student in any undergraduate program in the Faculty of Agriculture who has not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

Pork Nova Scotia Scholarship

Pork Nova Scotia is the marketing agent for hogs in Nova Scotia. Their mandate is to create the most favorable environment possible for the production and marketing of pork in Nova Scotia to assist in maximizing returns for Nova Scotia producers. PNS has an active and organized structure that has become the recognized voice of the Pork Industry in Nova Scotia. It is organized into 3 geographical zones, representing pork producers who account for 100% of Nova Scotia's pork production.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Awarded to a student with an interest and/or background in swine production. Selection criteria include demonstrated interest in the swine industry (through course or project work), academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$350

Prince Edward Island Institute of Agrologists Scholarship

The P.E.I.I.A is made up of agricultural professionals who are at the leading edge of the agri-food industry. Institute members are researchers, educators, extension specialists, primary producers and administrators of agricultural programs and policies.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Prince Edward Island. Selection criteria include academic performance, school and community involvement, financial need, and a career goal of becoming an agrologist.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stuart Rath Junior A Bearcat Hockey Education Award Fund

The Stuart Rath Truro Bearcat Education Awards have been established to encourage the pursuit of university education among players with the Truro Junior A Bearcat Hockey Team ("The Bearcats") by providing tuition support for players enrolled at Dalhousie University. Stuart Rath, a very involved community member of Colchester County and surrounding area, established The Bearcat Hockey Education Award. Some of Stuarts endeavors are as follows: he serves as the Vice President

of Truro Centre Ltd, and the President of Stuco Holdings Ltd. From 1985-1995 Stuart served as the President of Halifax Cablevision Ltd, from 1976-1985 he served as the President and General Manager of Eastern Cablevision, and from 1960-1975 he was the Chairman of the Truro Industrial Society. A few of Stuart's other accomplishments are being Director of Nova Scotia Business Inc. since March 2007, Director of Morien Resources Corp since December 1997, as well as serving as Director of Stuco Holdings Ltd. and Director of Erdene Resource Development Corporation since June 2006 until November 2012.

Eligibility: Available to entering or current technical and undergraduate students at the Faculty of Agriculture. Selection is based on academic performance and the recommendation of the team coaches.

Application Type: Automatic Consideration – No Application Required

Cliff and Grace Retson Memorial Scholarship

The Grace and Cliff Retson Memorial Bursary was first created by Grace in memory of her husband, Cliff Retson who graduated from the AC in 1934. Cliff passed away in 1997. Grace was born in Waskada, Manitoba and grew up in Kerrobert, Saskatchewan. She attended secretarial school in Saskatoon and after retiring, she received her Bachelor of Arts from St. Mary's University. Grace met Cliff, her husband of 56 years, while she was working at the Senate in Ottawa. They married on July 26, 1941 and moved to Truro in 1947. The Retson's (Grace & Cliff) hosted several international students studying at the Faculty of Agriculture over the years. It is for this reason and to ensure ongoing support of the educational interests of International students studying at Dal-AC, that Grace created the scholarship.

Eligibility: Available to international students in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, and interest in and involvement in multi-cultural activities on campus.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

Ira L. Rhodenizer Memorial Scholarship

Ira Rhodenizer was born in 1890 in Parkdale, Lunenburg County, Nova Scotia and lived there for the majority of his life. He served in the Canadian Army from 1914 to 1919 and was wounded overseas during World War I. He later became a farmer, storekeeper, and lumberman in Parkdale, NS. He was greatly interested in community life and was associated with farmer's organizations for many years. He was married and had seven children. He was a member of the Baptist Church, the I.O.O.F. and Masons. Ira was active in Nova Scotia Guides and Fish and Game Associations, had been a municipal counsellor and President of the Lunenburg Centre Liberal Association. He was a Director of the Nova Scotia Federation of Agriculture and was killed in a car accident on the way to a meeting of this organization in August 1958. The Ira L. Rhodenizer Memorial Scholarship was provided by the Federation as a memorial for his dedication and contributions through the years.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Selection criteria include academic performance, involvement in student affairs, and participation in the 4-H program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Robert G. Rix Family Farm Scholarship

Robert (Bob) Rix was born in Halifax on July 29th, 1948. Robert graduated from Dalhousie University Dental School in 1974. He practiced in Musquodoboit Harbour, Tatamagouche, and Winsloe, PEI, prior to opening his own dental practice in Bible Hill. He took great interest in his profession and knew the family trees of most of his patients and will be fondly remembered by everyone for his excellent dentistry, story-telling, knowledge of American History, love of gardening, tinkering with mechanical items, love of nature and his family. Robert had originally established the "Robert G. Rix Family Farm Bursary" in 1985. Although not having a farm background himself, he shared his beliefs that everyone's roots are in the land and he felt his way to contribute to the importance of agriculture to our society was through this small bursary each year. A couple years ago, the award became known as the "Dr. Robert G. Rix Scholarship" to allow support to a student where the need was greatest. After Robert's passing, one of the faculty provided funds to continue the bursary in Robert's name. Since then, Robert's family has graciously supported the scholarship to allow his legacy and memory to live on.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who has shown determination and dedication to operating a family farm.

Recipients will have demonstrated financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

J. Arnold Roberts Memorial Scholarship

The J. Arnold Roberts Memorial Scholarship was created by Elsie Roberts in memory of her husband, Arnold Roberts. Establishing a scholarship in memory of a loved one is a wonderful way to ensure their legacy and memory lives on, and this is what Elsie wished for her late husband.

Eligibility: Available to current students in any year of an undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces. Awarded to an outstanding student who is not receiving a scholarship of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Howard W. Roper Memorial Award

The Howard W. Roper Memorial Bursary: Presented by the Nova Scotia/Newfoundland Holstein Branch was established in memory of Howard Roper. Howard was born in Charlottetown, PEI and later moved to Princeport with his father in 1926 to manage the Beech Hill Farm and Dairy. Howard and his father purchased the farm in 1932 and operated the farm with purebred Guernsey's until 1952. Following the sale of the farm, he was employed by the Nova Scotia Animal Breeders Co-operative as Manager of Sales and Promotions. Howard was well-known throughout Canada, especially in Atlantic Canada for his work in the dairy industry and his love of dairy cattle, particularly Holsteins and Guernsey's. He was inducted into Atlantic Agricultural Hall of Fame in 1980, an institution in which he was instrumental in founding. The Canadian Association of Animal Breeders honored Howard in 1992 with the Award of Merit for outstanding contribution to the Dairy Cattle Industry. He was also made a lifetime member of the Canadian Guernsey Breeder Association. Those who knew Howard best will remember him for his honesty, integrity, love of people and his great eye for cattle.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture, with preference given to second year students in the Diploma in Business Management - Dairy Farming program. Applicants must be either be permanent residents of Nova Scotia or Newfoundland and Labrador. Applicants must be members of Holstein Canada, or, a member of a family with Holstein Canada membership. Selection criteria include involvement in the dairy industry, extra-curricular involvement through athletics and clubs on campus, involvement in farm organizations, financial need and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Ted Rose Memorial Scholarship

The Ted Rose Memorial Scholarship was created by Mrs. Ann M. Rose in memory of her husband, Ted. Ted had grown up on a dairy farm in Urbania, near Shubenacadie. Ted and his brother Percy ran the farm after the death of their father. Although no one from the family had any connection to the AC, Mrs. Rose had a soft spot for farming, admitting there can be "nothing as rewarding as farming." Rose wanted to provide a scholarship to a deserving young person who is interested in farming themselves someday, while honoring her husband's memory.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded to a student who plans to operate a livestock farm. Selection criteria include financial need, academic performance and a documented commitment to animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Rotary Club of Truro International Student Bursary

The Rotary Club of Truro has been part of the fabric of the community of Truro as well as the network of Rotary Clubs around the world since 1926. The Rotary Club of Truro is proud of its years of service and benevolence in the community and internationally. In addition to providing assistance to countless individuals with special needs for medical treatment or equipment over the years, the Club has continued to focus on the needs of children with disabilities.

Eligibility: Available to a current international student at the Faculty of Agriculture. Preference will be given to students registered in a program of study and registered full time, with additional preference given to students studying for the full year. Special consideration will be given to students who came from a developing country and plan to return and apply their education there. All students paying the international tuition differential are eligible for consideration. Selection criteria include financial need and potential impact of the bursary on the student's lifestyle while at school and their future plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Rick Russell Memorial Scholarship

Rick Russell passed away Saturday, July 3rd, 2004 after a courageous battle with cancer. After graduating from NSAC, Rick was employed at the College as the swine herdsman for 20 years and then as manager of the fur unit for 4 years. Rick was the coach of the former NSAC Woodsman Team for 24 years. He was well respected by both his peers and the athletes he coached. He was always giving of himself and was recognized for his unselfish devotion to the college community by the AC Student population by being given the Student Appreciation Award in 1995. Due to his sincere commitment to NSAC and his community, a scholarship has been created in his memory.

Eligibility: Available to current student athletes in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, involvement and leadership in the Woodsman program, and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Jack Sibley Agriculture Bursary

This award was established by the John & Judy Bragg Foundation to honour John D (Jack) Sibley. Jack was born in 1937 at Meaghers Grant in Nova Scotia's Musquodoboit Valley and graduated from Musquodoboit Rural High School in 1954. After receiving a BA from Mount Allison University in 1957 he attended the Nova Scotia Agricultural College and is an alumnus of the Class of 1959. He began his working career as a teacher and then moved on to work for several years as a field manager for McCain Foods. In 1965 he returned to Nova Scotia and spent the next 29 years as a wild blueberry extension specialist with the Department of Agriculture and Marketing. In 1994 he retired from this position and in 1997 began work with WBANA Canada in wild blueberry promotion, retiring in 2011 after a total of 44 years of service to the wild blueberry industry. Jack had a number of part-time careers which included operating his own wild blueberry acreage, working as a musician and MC, and teaching old-time fiddling to children from the Truro area.

Eligibility: Awarded to a full-time technical or undergraduate student at the Faculty of Agriculture who demonstrates financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sodhi Memorial Bursary

This bursary was established by the Sodhi family in memory of Mr. Bhagat S. Sodhi, long-time librarian at the former Nova Scotia Agricultural College. Mr. Sodhi immigrated to Canada in the 1960's, in search of opportunity for his future family. After meeting and bringing his wife Darshan to Canada, they settled in Truro, NS, and began their family. Mr. Sodhi began working at the former Agricultural College in 1968, when the campus library was housed in Cox Institute. He was instrumental in moving the library to its current location at the MacRae Library, acting as head librarian until 1995. Mr. Sodhi considered the library staff as a second family. As a tribute to his memory, the Sodhi Family established an award in his name upon his passing on June 1st, 2009.

Eligibility: Available to current international students at the Faculty of Agriculture in good academic standing, with preference given to students in undergraduate and technical programs based on financial need. Students in all programs of study are eligible.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sport Leadership Award

The Sport Leadership Award recognizes a high school varsity athlete enrolling full time in a program of study and planning on participating in a sport at the varsity level at the Faculty of Agriculture.

Eligibility: Available to entering technical or undergraduate students at the Faculty of Agriculture with an admissions average of at least 75%. Recipients of other major entrance scholarships are not eligible. Selection criteria include financial need, sport skills and leadership.

Application Type: Automatic Consideration – No Application Required

Phillip Stead Memorial Leadership Award

Phillip Stead graduated from the former Nova Scotia Agricultural College in 1965 with a degree certificate. He left Nova Scotia to complete his BSc. in Animal Science at McGill University and returned in 1967 to begin what was to be a long and successful career with the Nova Scotia Department of Agriculture, working as a sheep specialist with the Animal Industry Branch. In 1972 Phil continued his education by completing a MSc. in Agriculture and Nutrition at Virginia Polytechnic Institute and State University. For his passion for community involvement and his long standing contributions to Agriculture, a memorial award has been created in his name.

Eligibility: An award will be presented annually to a student who has exhibited outstanding leadership at the Faculty of Agriculture and/or within the community.

Nominations for the award will be received by a committee representing the Student Leadership program at the Faculty of Agriculture and a member of the sponsoring

body for the award (Nova Scotia/Newfoundland Holstein Branch). The committee will select an awardee from those nominated who best represents the leadership qualities and performance in the past year or number of years that would be a model for others. Selection criteria may also include academic performance, financial need, and the other awards that have been granted to the nominee.

Application Type: Contact the Faculty for more information

Captain R. M. Steele Memorial Fellowship

Captain Richard Steele was a founding member of the Atlantic Chapter of the Rhododendron Society of Canada (RSCAR) and supported the creation of the Atlantic Rhododendron & Horticultural Society. He faithfully attended, and contributed to, meetings and programs. A mentor and friend to many, and with an international network of plants people, he was a major influence on horticulture, locally and further afield. RSCAR members in the early days established the tradition of the annual Steele Lecture, the objective being to bring a top-ranking plants person to Nova Scotia as a guest speaker. Captain Steele died March 14th 2010.

Eligibility: Awarded to a final year undergraduate student in the Faculty of Agriculture who intends to pursue plant-related studies at the graduate level.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stewiacke Valley Garden Club Scholarship

Stewiacke Valley is located in the Southern area of Colchester County. The Stewiacke Valley Garden Club is involved in the beautification of the Valley, as the Club is a part of the Nova Scotia Association of Garden Clubs which promote the general landscape beautification of the province. The Club hosts a multitude of events, such as speakers on Horticulture, etc., bake sale events, plant sale events, and more.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicant must be from the Stewiacke Valley area of Nova Scotia.

Selection criteria include involvement in extra-curricular and community affairs, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

William D. Swetnam Memorial Award

Raised in Port Mouton and Liverpool, NS, William (Bill) Swetnam, graduated from the former Nova Scotia Agricultural College in 1956. Bill discovered what he was destined to do when he purchased a farm in Sheffield Mills, NS in 1958. Throughout his career, Bill dedicated countless hours to many boards. As a founder of the Nova Scotia Turkey Marketing Board he also spent time on the County South and East Livestock Health Services Board, the NS Crop and Livestock Insurance Commission, Canadian Livestock Feed Board Advisors Committee, as well as Nova Scotia Farm Loan Board. Bill also served as president of the Kings County Federation of Agriculture and became a member of the Council of Leaders with the Federation. Bill's dedication to his community has not gone unnoticed. In 2002 he was honored by the Queen with the Golden Jubilee Medal. Bill has truly distinguished himself in his area of expertise, bringing honour to the former NSAC and the Alumni Association. It is for this reason, an award has been created in his memory.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program who have displayed leadership qualities during their program. Applicants must be permanent residents of one of the Atlantic provinces.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Syngenta Canada Inc. Awards

Syngenta is one of the world's leading companies with more than 28,000 employees in some 90 countries dedicated to their purpose: Bringing plant potential to life.

Syngenta's mission is to make a difference for smallholders in developing countries. By helping them become more professional growers, they want to achieve added value for rural communities. One way they do that is through technical innovation. Equally important is access to markets, enabling smallholders both to buy inputs and sell their produce. These and other factors are all essential for sustainability successful agriculture.

Eligibility: Available to a technical or undergraduate student in any program in the Faculty of Agriculture. Awarded to students whose course and project work reflect an interest in the Maritime potato industry. Applicants will be required to submit a 300-500 word essay expressing opinion on a topic relating to the crop protection industry. Selection criteria include academic performance, and potato farm experience or background.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bruce Trenholm/Atlantic '86 Scholarship

Bruce was born on the family farm in Grand Pre, Kings County, he graduated from the former Nova Scotia Agricultural College and MacDonald College, receiving his Bachelor of Science Degree in Animal Husbandry in 1947. Upon graduating from McDonald College he served as the Agricultural Representative in Yarmouth and then taught Animal Husbandry at the former Nova Scotia Agricultural College for three years. In 1952 he took over the family farm going on to establish the well-known Brulo herd. Bruce's contributions to agriculture have been many and varied and are worthy of recognition in the Atlantic Agricultural Hall of Fame. He had a lifelong interest in Holstein cattle and was Master Breeder and Past President of Holstein Canada. In 1986, the year of Bruce's death, he coordinated Atlantic '86 – the Annual National Convention of Holstein Canada. This scholarship was established in his name as an on-going memorial.

Eligibility: Available to students entering their final year in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces, have a Holstein farm or 4-H (Holstein calf project) background. Selection criteria include academic performance and career goals.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

University Medal in Agricultural Business

Awarded to the graduating Agricultural Business student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Agricultural Economics

Awarded to the graduating Agricultural Economics student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in International Food Business

Awarded to the graduating International Food Business student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Florence (Pineo) Ward Memorial Award

The Florence (Pineo) Ward Memorial Award was established by James Pineo in memory of his late sister, Florence. James wanted to leave a legacy behind for his sister, and help support the academic efforts of agricultural students, such as his niece Lisa (Orlando) Gowan, a BSc(Agr) Agricultural Chemistry graduate.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture.

Preference will be given to students from Boutillier's Point, Halifax County, and Advocate, Cumberland County. Awarded to students in financial need. Preference will be given to students with sound academic background who have come to the Faculty of Agriculture for technical training to enhance their employability but financial constraints are limiting their ability to continue their studies.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Michael Whidden Memorial Award

Awarded to a student who has provided leadership on the Faculty of Agriculture's Woodsmen Team, and has maintained a sound academic performance.

Eligibility: Available to current technical and undergraduate students at the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Eric Williams Memorial Scholarships

Born in 1938 Eric P. Williams started farming in 1959 with nine cows and twenty acres. Today the Williams' family own and operate a two hundred head Holstein dairy farm in the Goulds and employ a nephew and one other worker. Eric worked hard to introduce supply management for milk producers in Newfoundland. In 1983 he was appointed the first chair of the Newfoundland Milk Marketing Board now known as the Dairy Farmers of Newfoundland and Labrador. During his lifetime he fought to improve the cost of production formula for milk producers in the province. Eric was also nominated by the Dairy Farmers of Newfoundland and Labrador in recognition of his tremendous contributions to agriculture, to become an inductee into the Atlantic Agricultural Hall of Fame. It is for the same reasons that the Dairy Farmers of Newfoundland and Labrador have established a scholarship in his memory for his dedication and commitment to agriculture.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program in the Faculty of Agriculture.

Applicants must be permanent residents of Newfoundland and Labrador. Selection will be based on academic performance. Typically one award is given to a technical student and the other to an degree-seeking student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Zhuhui Ye Memorial Award

This fund was established by classmates of Zhuhui Ye (Kevin) to honour his memory. Kevin attended the former Nova Scotia Agricultural College as part of the FAFU 2+2 program, earning his BSc(Agr) in Aquaculture in 2012. Kevin continued his studies with the Dalhousie MSc. program. On September 8, 2012, Kevin lost his life in a drowning accident at Dollar Lake Provincial Park. Kevin is well remembered as an intelligent, popular, and outgoing man whose generosity touched the lives of many friends. The intent of the Zhuhui Ye Memorial Award is to further the understanding of culture and relationship between Chinese and Canadian students by supporting the FAFU/DAC 2+2 program.

Eligibility: Award to a Chinese student in the FAFU 2+2 program or another student demonstrating a commitment to and involvement with the FAFU 2+2 program at the Faculty of Agriculture, in addition to academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadlines

Value: \$500

Engineering

Faculty of Agriculture Alumni Family Scholarships

In celebration of the fact that many students at the Faculty of Agriculture are family members of AC Alumni, the Alumni Association decided to establish a Family Bursary for the first time in 2008. There are several bursaries available for family members of Alumni attending the Faculty of Agriculture.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500 - \$1,000

Faculty of Agriculture Athletic Bursaries

Awarded to returning student varsity athletes.

Eligibility: Available to current student varsity athletes in any undergraduate program in the Faculty of Agriculture. Applicants will have demonstrated financial need, satisfactory academic standing, and be recommended for the award by a coach.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Faculty of Agriculture Bursaries

The Faculty of Agriculture has established a fund which will provide bursaries to assist students in need of financial assistance. Students in need of financial assistance can apply for a bursary on an ongoing basis throughout the academic year.

Eligibility: Available to current students at the Faculty of Agriculture who have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Animal Nutrition Association of Canada (Atlantic Division) Scholarship

The Animal Nutrition Association of Canada (Atlantic) Scholarship was established in 1989 for a student who successfully completes their second year of B.Sc. (Agr.) program. The Animal Nutrition Association of Canada (ANAC) is the national trade association of the livestock and poultry feed industry. The 170 members include feed and ingredient manufacturers and distributors, as well as suppliers of a wide range of goods and services to the feed industry. Taken together, ANAC's membership represents 90 percent of commercial feed manufactured in Canada.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program who have demonstrated leadership in student and community affairs, strong academic performance, and who are not receiving other scholarships of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ralph H. Armstrong Memorial Award

Established in memory of Ralph Armstrong of North Kingston, Kings Co., Nova Scotia. Ralph was well known for his breeding of dual-purpose Shorthorns and marketing of livestock. His prize Shorthorns had been exhibited under the Brookmont Farms name for more than 30 years at Exhibitions throughout Nova Scotia, the Royal Winter Fair in Toronto, and in the 1980 World Shorthorn congress in Calgary. Mr. Armstrong was an honoured member, Secretary and Past President of the Nova Scotia Shorthorn Association, Vice President of the Annapolis County Exhibition, Past Director of the Atlantic Winter Fair and Past Director of the Maritime Shorthorn Association.

Eligibility: Available to former or current 4-H club members from Kings or Annapolis Counties in Nova Scotia who have completed their first year of study in any undergraduate program at the Faculty of Agriculture. Selection is based on financial need and involvement in school, athletic and/or community organizations.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$400

Atlantic Farm Mechanization Show Scholarship

The Atlantic Farm Mechanization Show is an event that is held bi-annually that mainly focuses on the newest, innovative ideas in the agricultural industry. Farming has changed dramatically over the last few decades. New farming ventures are becoming increasingly popular, from large tract farms that are operated by multi-nationals, to small individual bed plots. According to The Atlantic Farm Mechanization Show, "innovation has always been the most powerful tool in a farmer's tool box and will continue to be so into the future."

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) in Integrated Environmental Management program at the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Fertilizer Council Award

Eligibility: Awarded to a student from Atlantic Canada in the second year of a diploma program related to crop protection. Selection criteria include farm interests, leadership qualities within the University community, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

Atlantic Land Improvement Contractors Association Award

The Atlantic Land Improvement Contractors Association Bursary was created by ALICA for engineering students with a keen interest in soil, water and land improvement. ALICA acknowledges that the cost of tuition is becoming increasingly high which makes it difficult for many students to attend University. The Board of Directors voted to begin a scholarship fund in 1990 and the scholarship has been active and helping students with their post-secondary education ever since.

Eligibility: Available to students in the Diploma of Engineering program in the Faculty of Agriculture with a demonstrated ability and interest in soil, water, and land improvement.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$800

Atlantic Poultry Incorporated Scholarship

The Atlantic Poultry Incorporated Scholarship was created in 2012. API (formerly ACA Co-operative Limited) has had many changes over the years. Most recently becoming incorporated in March 2012 and then in 2013 growing the company with the purchase of Clarks Chick Hatchery in New Brunswick and Island Chick Hatchery in Newfoundland.

Eligibility: Awarded to a student enrolled in the BSc(Agr) degree, with preference to a student pursuing an Animal Science major. The recipient will have graduated from a high school in Atlantic Canada, and demonstrate strong academic performance and a career interest in poultry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Poultry Conference Award

The Atlantic Poultry Conference is the key meeting place for producers and service providers to gather and discuss and share their news, the Conference is held once per year. Speakers who attend the Conference address a number of topics that cover: ventilation, energy, health, reducing feed costs, transportation, eggs, chickens and turkeys.

Eligibility: Awarded to a student whose course and project work reflect an interest in poultry. Preference will be given to final year students in the BSc(Agr) program who have either completed or have plans to complete a poultry-related research project in RESM 4002 and RESM 4003. This scholarship is awarded in odd years.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Paul Babineau Memorial Scholarship

The Paul Babineau Memorial Scholarship was established by the Atlantic Farm Mechanization Show in memory of Paul, a former Director of the Atlantic Farm Mechanization Show. Paul was the owner and operator of Babineau Equipment Ltd, he was a 4-Wheeler enthusiast, and a director with the Atlantic Farm Mechanization Show.

Eligibility: Available to students from Atlantic Canada who have completed at least one year in the Diploma of Engineering or Bachelor of Science (Agriculture) Integrated Environmental Management programs in the Faculty of Agriculture. Selection is based on academic performance and the demonstrated potential for a career in the area of mechanization of agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dr. Roger S. Bacon Scholarship in Agriculture

Dr. Roger S. Bacon was a dairy farmer and blueberry producer from Cumberland County, Nova Scotia. He was also a long standing MLA from this area. During his political career, he was a well-respected and long serving Minister of Agriculture and for a time Premier of Nova Scotia. In keeping with his lifetime interest and service to Agriculture, Dr. Bacon has made a donation to establish an endowed fund to support a new scholarship at the Faculty of Agriculture.

Eligibility: Awarded to a Nova Scotia student entering the final year of any program at the Faculty of Agriculture who has plans to pursue a long term career in agriculture. Selection criteria include career plans, academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Bible Hill Garden Club Scholarship

The Bible Hill Garden Club, originally referred to as Hillcrest Landscape Club was first organized in January of 1947. The group was created to promote the improvement of home grounds, assist in the beautification of community grounds, local parks and schools. Over the years, the group has gained popularity and has grown from 17 members to over 60, mostly women who range in age of 50-60. The group contributes to the Faculty of Agriculture through help supporting students with the bursary they have created.

Eligibility: Available to current students who are permanent residents of the Truro area, in any undergraduate program at the Faculty of Agriculture, with preference given to students in at least the second year of study in Horticulture, preferably a landscape program. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

David W. Brown Memorial Scholarship

The David W. Brown bursary is an ongoing demonstration of appreciation to the foundation of the David Brown United Limited by Atlantic Poultry Incorporated formerly ACA Cooperative Limited. Initiated in November 25, 1976; the company has continued to fund an annual memorial scholarship.

Eligibility: Available to students who have graduated from a high school in Atlantic Canada and who are entering the second year of a technical program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, an interest in farming, and an interest in the poultry industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Edward Brown Memorial Undergraduate Bursary

The Edward Brown Memorial Undergraduate Scholarship was created in memory of Edward Brown under the estate of his wife, Dorothy Aveleigh Brown. Edward attended the Agricultural Campus and graduated in 1954.

Eligibility: Available to a Bachelor of Science (Agriculture) student, with preference to a student in the fourth year of study from Atlantic Canada.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Merle Cail Memorial Scholarship

The Merle Cail Memorial Scholarship Fund was created by Merle's wife, Faye Cail in memory of Merle's dedication to organic agriculture. Born in Rexton, New Brunswick, Merle was heavily involved in his community. He attended Zion Presbyterian Church, was director of Northumberland Co-operative and Cartier Co-operative, member of the Kent Agriconservation club, Moncton Holstien Association, Kent Farmers Association, Dairy Farmers of NB, and many more. Merle also had a dedicated career as a farmer.

Eligibility: Awarded to a senior undergraduate or graduate student from Atlantic Canada studying in the Faculty of Agriculture whose course and project work reflect an interest in organic agriculture. Selection criteria include academic performance, financial need and commitment to organic agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Vera Caldwell Memorial Bursary

Vera Caldwell was born on June 3rd, 1924 in Hants County. She was a very devoted and involved member of the Newport United Church, serving as a Steward, Sunday School Teacher, and as a Youth Group Leader. Vera taught school for more than 25 years, first beginning in a one-room schoolhouse and ending her career at Brooklyn District Elementary School in 1989. As shown by her achievements, Vera was dedicated to the educational system and being a life-long learner. She was passionate about international education and actively supported education for children from developing nations. Due to her sincere involvement and passion in the

educational system, a bursary has been created in her memory.

Eligibility: Awarded based on financial need to full-time technical or undergraduate international students at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Canard Conservation Undergraduate Scholarship

Dr. Charles Albert Eaves was born February 21st, 1908 in Liverpool England. Charles immigrated to Canada in March 1926 and in 1932 received his B.Sc. from McGill. In 1933 he attended Cambridge University on an I.O.D.E overseas scholarship before returning to McGill to receive his MSc. degree in 1937. On October 25, 2000, he received an Honorary Doctorate from Dalhousie University and the former Nova Scotia Agricultural College, now Dalhousie Faculty of Agriculture. The Canard Conservation Scholarships were established by Dr. & Mrs. Eaves to provide a graduate and undergraduate scholarship each year for students of Kings County focusing on environmental studies related to agricultural practices with particular reference to dyke land preservation and the general conservation of soil and water reserves.

Eligibility: Awarded to a student who is a permanent resident of Kings County, Nova Scotia, in the first or second year of the Bachelor of Science (Agriculture) program who is planning course and/or project work related to the environment. Selection criteria include academic performance, demonstrated interest in the environment, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

James Card Memorial Bursaries

James Card was born in Windsor, Nova Scotia on October 12, 1924. He was a life-long farmer in Centre Burlington and was a former West Hants Municipal Councillor and was also a 4-H Club leader. As a part of James estate, three awards have been sponsored in his memory.

Eligibility: Awarded to students in financial need, with preference to international students, who are studying at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 3 @ \$1,000

Chartwells Scholarships

Chartwells is a catering/food service company that specializes in providing services to higher education students. They are committed to providing programs and solutions to students to fit their unique needs and requests. Chartwells understands that a well-balanced diet is integral to an individual's state of mind and long-term happiness. Providing students with a high-quality food service isn't the only commitment Chartwells has made, they also offer multiple scholarships for both graduate and undergraduate programs.

Eligibility: Available to current students with high academic performance in any undergraduate program in the Faculty of Agriculture at Dalhousie who have not received other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gerard Chiasson Memorial Award

Gerard Chiasson was born in 1931 in Margaree Forks, Inverness County, Nova Scotia. Gerard was very involved in outdoors activities, he was a farmer, fisherman and lumberman. He was also very involved in his community, he was a past president of the N.S. Woodlot Owners Association and The N.S. Federation of Agriculture, Inverness County Federation of Agriculture, Margaree Credit Union, Margaree Gasperaux Fisherman Association, and Eastern Dairy Foods Co-op. He was former chief of the Margaree Volunteer Fire Department, former chairman of the Margaree River and Community Protection Community, former member of the board of N.S. Volunteer Planning and was also the president of the N.S. Landowners and Forest Fibre Productions Association. As a result of Gerard Chiasson's sincere commitment and his lifetime of contributions to the Nova Scotia Federation of Agriculture and community organizations, a scholarship has been created in his memory.

Eligibility: Available to upper-year students in any undergraduate program in the Faculty of Agriculture who are residents of Cape Breton (with preference given to those from Inverness County). Selection criteria include financial need, involvement in community activities, and leadership.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Donald E. Clark Memorial Scholarship

Professor Clark was born in Luchow, China in 1923 and came to Canada at the age of 15 months. In 1951 he graduated from the Ontario Agricultural College, B.S.A. (Honours). In 1962 while a member of the teaching staff at O.A.C. he received his M.S.A. from the University of Toronto. In 1968 he accepted a position with the NSAC as an Associate Professor and Head of the Agricultural Engineering Department. Donald was well known for his work with sprayers and zero tillage for corn production. He also served with distinction on such committees as the Canada Weed Committee, the Atlantic Herbicide Committee and the Atlantic Agricultural Engineering Committee. As a Professional Engineer and Agrologist, Donald was a charter member of the Canadian Society of Agricultural Engineers and in 1976 was elected President of this organization. As a result of Professor Donald E. Clark's sincere commitment to his chosen field of study, and his lifetime of contributions to both the NSAC and the Engineering community, a scholarship has been created in his memory.

Eligibility: Available to current students in their final year of the Diploma of Engineering program in the Faculty of Agriculture. Selection criteria include academic performance, interest, and aptitude in the engineering field.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check moneymatters.dal.ca for application deadline

Value: \$500

Class of 1950 Award Fund

The Class of '50 Award was first established in 2000 at the Class of 1950, 50th anniversary weekend celebration. President, Don Young and Vice-President, Jack Johnson spearheaded the campaign to get their classmates involved in their commitment to help future AC students. The group recognizes the difficulty that young students face to finance their post-secondary education, as they too faced similar challenges. After a great deal of preparatory work from Don, Jack and Cliff McIsaac, a proposal was created for the Class of '50 Award fund of to assist deserving students to "stick with it." The group of classmates have made and continue to make significant contributions to the campus and students.

Eligibility: Available to current students in financial need in any technical or undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Charles M. Collins Memorial Scholarship

The scholarship is in memory of Charles McKittrick Collins who spent the years 1936-1962 working in various positions in the agricultural industry in Nova Scotia, including teaching at Dalhousie's Agricultural Campus for twenty-five years. Collins Horticultural Building on the Dal-AC campus is named in his honour as well. Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in the Bachelor of Technology program in Environmental Landscape Horticulture who have not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,200

George and Lottie Cook Memorial Scholarship

Lottie Cook first developed her passion for agriculture on her family farm on Cape Breton Island. Lottie's parents were pioneers in the agricultural industry, and her father a renowned farmer. At a young age Lottie became involved in 4-H where she achieved some of the club's top honours. She later graduated from the former Nova Scotia Agricultural College and worked as an assistant agricultural representative to J.C.F MacDonnell for many years. In 1943 Lottie married George Cook and the pair later opened a chick hatchery in Truro and became one of the foremost producers of high quality chicks in the Maritime Provinces. After the passing of her husband in 1954, Lottie continued to operate the family business. Due to Lottie's involvement in the agricultural industry and former NSAC community from both herself and family business, a scholarship has been created in her and her husband's name.

Eligibility: Available to students from Nova Scotia in the first or second year of a technical or undergraduate program at the Faculty of Agriculture. Selection criteria include academic performance and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Co-op Atlantic Scholarships

Co-op has established a scholarship open to employees and dependents of members of Co-op Atlantic. Co-op is an association of volunteer board members who have joined together to create a business that can supply products and services at a fair and reasonable cost. Specifically, Co-op focuses on a shared partnership with the members of the community in which it resides. The most unique attribute of the Co-op is its democratic control. The control is left to the members only, and is not powered strictly by a dollar figure. This allows for farmers and other entrepreneurs to grow and prosper, all while offering goods and services at a low cost to their customers.

Eligibility: Awarded to current first year students at the Faculty of Agriculture based on academic performance, demonstrated leadership ability, extracurricular and community involvement, work experiences, and interest in and understanding of co-operation and co-operatives. Applicants must be employees or dependents of members of Co-op Atlantic.

Application Type: See dal.ca/scholarships for more information
Application Deadline: September 20
Value: \$3,000 (degree) and \$1,000 (diploma)

Dartmouth Horticultural Society Scholarships

The Dartmouth Horticultural Society is a gardening club whose aim is to promote, enrich and expand the practice of amateur gardening. Monthly meetings are held where their guest speakers from inside and outside the Society share their knowledge. In addition club experts are available for formal and informal exchange of ideas. Some of the club's activities include a plant sale, a flower show, the planting and maintaining of a raised bed in Leighton Dillman Park, plant exchanges, and garden tours.

Eligibility: Available to upper-year students in any plant-related undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to students from the Halifax Regional Municipality, followed by all Nova Scotia residents, followed by residents of other Canadian provinces. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Dalhousie Agricultural Students' Association Awards

Dalhousie Agricultural Students' Association (DASA) is the student association for all students at the Dalhousie Agricultural Campus. DASA is the official voice of the student body, and provides leadership and vision for the students of the Agricultural Campus. DASA promotes student engagement and leadership through various campus activities including Orientation, Shinerama, College Royal and Winter Carnival. DASA also promotes student engagement within the surrounding communities of Truro and Bible Hill. DASA works closely with Student Services and Administration to collectively provide a welcoming community dedicated to higher learning and service to the community.

Eligibility: Awarded to students enrolled in the Faculty of Agriculture who have demonstrated, in the current academic year, exceptional school spirit and involvement in any or all of the following: DASA sponsored events, volunteering, campus community leadership.

Application Type: Automatic Consideration – No Application Required
Value: 2 @ \$300

Paul C Eaton Memorial Scholarship

Paul C. Eaton was an alumnus, Class of '48, at the former Nova Scotia Agricultural College. Growing up on a dairy and apple farm, Mr. Eaton understood the importance of agriculture, and devoted his life to this passion. Mr. Eaton spent the majority of his career working in Extension Services on the Agricultural Campus. Eligibility: Awarded to a full-time student from Atlantic Canada in the second year or higher of the BSc(Agr) program majoring in Environmental Sciences or Plant Science. Recipients must have a background in agriculture or come from a family farm. Selection is made on the basis of academic merit.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: See dal.ca/scholarships for application deadline
Value: at least \$2,500

Ernest L. Eaton Memorial Scholarship

Throughout Mr. Eaton's lifetime he maintained a keen interest in scientific agriculture, and the education and development of the interested young people. He personally established the Ernest L. Eaton Scholarships, and made provision for them to continue in perpetuity. Although none of his children are directly active in farming, they all are interested in, and support, the fine work being done at present at the Agricultural Campus. The hope for the recipient of the Ernest L. Eaton

Scholarship is to encourage the pursuit of excellence in both academic and scientific activities.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program based on performance in second year. Recipient cannot have received another scholarship of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Egg Farmers of Newfoundland and Labrador Scholarship

The Egg Farmers of Newfoundland and Labrador (formerly the Egg Producers of Newfoundland and Labrador) is a commodity board governing the production of eggs.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Newfoundland and Labrador.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Faculty of Agriculture Mature Student Bursary

At the Faculty of Agriculture, the student body demographics have shifted dramatically over the past generation. We have increasingly more students transfer from other institutions or begin studies as a visiting or mature student. The 2012 Annual Appeal for the Faculty of Agriculture focused on raising funds for an endowment that would benefit mature students. In addition, alumnus Charles MacQuarrie directed that his planned gift benefit Faculty of Agriculture mature students.

Eligibility: Students enrolled at the Faculty of Agriculture in full-time studies who demonstrate financial need and are mature students (as defined by the Registrar's Office).

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$1,000

Fall River Garden Club Bursary

The Fall River Garden Club's mission is to promote the improvement of home and community flower and vegetable gardens, lawns, trees and landscaping through friendly sharing of information, work and education. During the year they run fund raising events in order to raise money to beautify the neighborhoods. Their main fundraiser is their annual plant sale followed by an area garden tour whereby members open their gardens for viewing to the general public. The monies raised at these events go towards supporting Santa's Express and giving a Bursary to a student at the Agriculture Campus studying horticulture. In addition, the gardens maintained in the surrounding areas are also funded from these events.

Eligibility: Available to a first year student in a Horticulture program at the Faculty of Agriculture in good academic standing, with preference given to students from the Fall River, Waverley, Wellington, Oakfield, Lakeview or Windsor Junction, Nova Scotia areas. Other residents of Nova Scotia will be considered. Applicants will have demonstrated financial need and well-developed career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Farm Focus Scholarship

Farm Focus of Atlantic Canada is an agricultural newspaper that covers the Atlantic Provinces and their diverse food production. The publication contains information on the various sectors of the agricultural industry, including: regional, national, and international news; profiles on farms and farm families; 4-H; features on new innovations and technology; and editorials and opinions on issues of importance to the farming community.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture at Dalhousie. Selection is based on financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Ena Fenton Memorial Scholarship

Ena Fenton was a founding member of the Bedford Horticultural Society in 1950. Ena was an enthusiastic and willing participant in every function of that group for 47 years. Mrs. Fenton had been a teacher prior to her marriage and had always been interested in the education of young people. After her death in 1977, the Society decided to name their scholarship in her honor. They feel certain that she would have been very pleased by their acknowledgment of her interest in the development of Horticulture and Landscaping in Nova Scotia.

Eligibility: Available to students studying Horticulture or Environmental Studies, entering the second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to those from Bedford, Sackville, and Waverley. In years when no student from Bedford, Sackville, or Waverley applies for the scholarship, consideration will be given to other students from the Halifax Regional Municipality (excluding those from Halifax and Dartmouth). Selection will be based on financial need, career plans, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. J. Fraser Memorial Prize in English

The H.J. Fraser Memorial Prize was established in memory of H.J. Fraser who taught at the Agricultural Campus.

Eligibility: Awarded to a second year student who has excelled in first year English at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$50

Dr. Gerry W. Friars Undergraduate Research Prize

Dr. Friars, a former NSAC Alumnus, was introduced to scientific research by an undergraduate research project. This was the beginning of a career in research in teaching. In recognition of the significance of this first research experience, Dr. Friars has provided a sum of money to endow an Undergraduate Research Award.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture who is judged to have completed the best written research report as part of the fourth-year project requirements.

Application Type: Automatic Consideration – No Application Required
Value: \$250

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Bronze Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of technical programs.

Application Type: Automatic Consideration – No Application Required

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

Green Diamond Equipment/John Deere Atlantic Agriculture Award

Green Diamond Equipment Ltd. became one of the largest privately held John Deere dealer organizations in Eastern Canada on November 1, 2008, with the consolidation of Planters Equipment Limited (NS) and PEI Farm Equipment (PEI).

Eligibility: Available to a technical or undergraduate student at the second year level or above who is a Canadian citizen from Atlantic Canada studying in the Faculty of Agriculture. The recipient will have a farming or agricultural background, demonstrate financial need, and have a life goal of working in agriculture in Atlantic Canada. A career in agriculture includes all areas from traditional farming, to engineering, to horticulture, to landscaping, and whether working in agri-business or with government.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Anna Helvig Schousboe Memorial Scholarship

This scholarship was established with the Department of Agriculture, Fisheries and Aquaculture, Government of New Brunswick, in memory of Anna Helvig Schousboe. Anna and her husband Gustav emigrated from Denmark in 1928 and became lifelong Kings Co. NB farmers and also very active in their community. Always strong believers in the value of education, after her death in 1993 Gustav endowed this scholarship in her memory to assist New Brunswick youth in pursuing studies in the agricultural field.

Eligibility: Awarded to a resident from Kings County, New Brunswick, working towards a degree or diploma in agriculture at the Faculty of Agriculture. Applicants must be permanent residents of Kings County, New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Randy and Gladys Keddy Memorial Scholarship

The Randy & Gladys Keddy Memorial Bursary was established by their son, Stewart Keddy in memory of his parents to provide an on-going legacy that is meaningful for family members and friends. Stewart graduated from the Faculty of Agriculture in 1967, from McGill University in 1969, and from Dalhousie Dentistry in 1974, where he was recognized for excellence in endodontics and radiology. Stewart practiced as a dentist for 37 years. He served in the Dental Corps from 1974-1979 and was a founding partner of Purdy's Wharf Dental Group from 1985 until his retirement in 2011. He held memberships in the Nova Scotia Dental Association, Canadian Dental Association, and Academy of General Dentistry.

Eligibility: Available to students entering second year of a diploma program or the third year of a degree program in the Faculty of Agriculture, with preference given to students from the Annapolis Valley of Nova Scotia with farm backgrounds. Awarded to a student whose background, program of study, course and project work and summer employment show a genuine interest in working in the agricultural industry following graduation. Selection criteria include career goals, academic performance, and financial need. Students receiving other scholarships of greater value will not be eligible for this scholarship.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Kings Mutual Insurance Scholarships

In memory of Past Directors, the Kings Mutual Insurance Company awards scholarships to students in the Faculty of Agriculture. The Kings County Federation of Agriculture represents the interest of the agricultural community in Kings County and is an active voice for its 395 members with the Nova Scotia Federation of Agriculture, Council of Leaders and provincial and national governments.

Eligibility: Available to students in any technical or undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include financial need, academic performance, and demonstrated interest in a career in the Agri-food industry as reflected by summer employment and/or extra-curricular involvement. This scholarship is not available to students receiving other scholarships of greater value. At least one scholarship will be awarded annually to a technical-level student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

P. Max Kuhn Scholarship

P. Max Kuhn grew up on a small farm in Lawrencetown, Halifax County. He lived from 1887 until 1928 and was the father to Bernard G. Kuhn. Max attended one year of the former NSAC General Course in 1908-1909. He was not able to return the next year because of need for him at home and shortage of funds, it was a great disappointment to him. That year was his only year of formal schooling; his home was so isolated that he was never able to attend grade school or high school, and his

mother taught him at home. Max was a dedicated, hard-working farmer, and he made great use of his AC training. He bought his own Manor Hill Farm in 1918, located on Woodlawn Road (Portland Street) just outside what were then the town limits of Dartmouth. He market-gardened and ran a dairy there until his death. It was Bernard's wish to establish this scholarship to recognize his father, Max, give education opportunity to others beyond what his father had, and to "repay Nova Scotia, former NSAC and Canada in small part for the education and support that he received here" (Bernard G. Kuhn).

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture at Dalhousie, with preference given to students who have completed at least one year of study. Applicants must be permanent residents of Nova Scotia, with preference to students from the Halifax Regional Municipality. Awarded to a student with a farm background or those whose course and project work and summer employment demonstrates an interest in working in the agriculture industry after graduation. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

AB & JE Langille Brothers Scholarship

Alan Langille graduated from the Nova Scotia Agricultural College in 1958 and went on to have a career as a plant physiologist and professor at the University of Maine. Alan makes this scholarship possible in memory of his two older brothers, both also NSAC Alumni. Bruce Langille (grad 1946) went on to work as a chemist for the Plant Products Lab in Ottawa. Jim Langille (grad 1947) went on to a career as an Agronomist for Nappan Experimental Farm.

Eligibility: Awarded to a third year BSc(Agr) student majoring in Plant Sciences. Preference will be given to students who have completed their first three years of study at the Faculty of Agriculture. Awarded based on academic excellence and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

C. C. MacDougall Memorial Scholarship

C.C. MacDougall was the first district agriculturist to work with the NB Department of Agriculture in Sussex. The C.C. MacDougall Memorial Scholarship was established in 1958 by a large group of agriculture groups.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture. Awarded to a student pursuing a degree or diploma in Agriculture. The recipient must have been a 4-H member from Kings County, New Brunswick, or have parents who raise or breed Guernseys anywhere in New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dr. Allan and Barbara MacKay Scholarship

Born in Heathbell, Pictou County, Nova Scotia, Dr. Allan MacKay received his early agricultural experience on the Spruce Grove Farm that had the distinction of having one of the first purebred Guernsey herds in Canada. He was a member of the Scotsburn Junior Dairy Calf Club and represented his province in the National competitions for club members at the Royal Winter Fair in Toronto in 1941. Dr. MacKay received his primary education at Heathbell School and his secondary education at Pictou Academy. He graduated from former N.S.A.C. in 1943 and obtained his Doctor of Veterinary Medicine from the Ontario Veterinary College in 1951. That same year he established a veterinary practice in Pictou County and continued his work until his retirement in 1991. Dr. MacKay is honoured for his program of animal health care, for his philosophy of preventing disease problems before they occur and his dedication to farm families in the area he served.

Eligibility: Awarded to a student with strong academic performance from the Faculty of Agriculture who plans to study veterinary medicine at the Atlantic Veterinary College.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Paul R. MacPhail PEI Potato Industry Scholarship

The roots of the Prince Edward Island Potato Board can be traced as far back as 1920, when the first Potato Growers' Association was formed on Prince Edward Island. A true marketing board followed in 1950 and was restructured as a producer controlled board under the Natural Products Marketing Act in 1990. The PEI Potato Board established this award in memory of Paul R. MacPhail.

Eligibility: Awarded to a PEI student studying at the technical or undergraduate level of an agricultural program. The recipient will demonstrate an interest in working in the potato industry through course work, research projects related to potato production and utilization (including all disciplines, e.g. pathology, biotechnology, entomology, etc). Awarded based on academic performance and the project's relevance to the improvement of the potato industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Edith Main Memorial Bursary

The NSVMA has created the Edith Main Memorial Bursary in her memory. Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected.

Eligibility: Awarded to a Nova Scotia student in the second year or higher of a diploma or degree at the Faculty of Agriculture who intends to pursue a career in veterinary medicine.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bill Mathewson Memorial Award

Bill Mathewson grew up on a hill sheep farm in Sma Glen, Scotland. He graduated with a BSc (Agriculture) in 1949 and later (1974) a MSc. both from Aberdeen University. On graduation 1949, he joined H.M. Overseas Civil Service. After further training in Cambridge and Trinidad, he was posted to Tanganyika, Africa where

he worked for 14 years. On retirement in 1965, he worked for three years with the N.F.U. of Scotland in Edinburgh before immigrating with his family to Nova Scotia in 1968. He taught for 20 years at the Faculty of Agriculture. Bill retired in 1988 and was honored by his colleagues by being made Professor Emeritus. Much loved by students, faculty and the agricultural industry, Bill will be greatly missed. It is with his memory in mind, that Bill's friends and colleagues at the AC launched an award in his name.

Eligibility: Available to any student registered in any program at the Faculty of Agriculture participating in an international experience. In applying for consideration, students will submit a proposal to participate in such activities as a study semester abroad toward their degree/diploma, attendance at a conference to make a presentation, a specialized training course or an internship or development project.

Application Type: Contact awards@dal.ca for more information

Value: \$1,000

Donald McInnes Award

Established in 1904, Pictou Mutual Insurance Company is the oldest mutual insurance company in Nova Scotia. Initially established by a group of farmers who sought to provide local protection for each other in the event of loss, their company has grown to include more than 3,500 local and rural policyholders. Donald McInnes was born in 1933 on the original McInnes farm on Scotch Hill Road. A graduate of Pictou Academy high school, he attended the AC, graduating in 1955. As a shareholder of Scotsburn Co-op, Donald served as Director for 22 years and Chairman of the Board for 15 years. For 35 years Donald was active in the Pictou County Farmers Mutual Fire Insurance Company. Donald served first as an agent, then as a director and manager of the company. Due to Donald's sincere involvement with both the community and Pictou Mutual Insurance Company, an award has been created in his name which is funded by Pictou Mutual Insurance.

Eligibility: Available to a student enrolled at the Faculty of Agriculture. Selection criteria include commitment to and involvement in the community and leadership provided in student activities, academic performance and financial need. A student may not be selected for this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Clint McLean Memorial Scholarship

The Clint McLean Memorial Scholarship was established by Clint's loving family, with contributions from his many friends and colleagues. Clint loved life and had many interests including entertaining, fine cooking, travel and music. To Clint family was everything; no amount of trouble, sacrifice, or inconvenience was too much. However, his heart was in agriculture. He lived and breathed agriculture, but dairy had a special corner in his heart. Not only did he talk the talk, he walked the walk. Clint was a graduate of NSAC (Class of 1979) and Guelph University. He was also an active member of his alumni associations, serving as Vice President and President for the Agriculture College Alumni. Clint served on the Agricultural Institute of Canada Board of Directors and on numerous institute committees. He served as the chair of the Atlantic Forage Crops Advisory committee and represented the Atlantic Provinces at the National Expert Committee on Forage. Clint was a distinguished and valued member of the NB Department of Agriculture, taking a leading role in innumerable initiatives to support the true stewards of the land; the farmers of Atlantic Canada. His career was that of a scientist with a human touch.

Eligibility: Awarded to a third or fourth year BSc(Agr) student, with a preference to a student from New Brunswick and a preference to a student involved in the study of dairy. Recipients will have strong academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

T. Beverly Milligan Gale Memorial Scholarship

The T. Beverly Milligan Gale Memorial Bursary was established in 2010 by Bev's husband, Bob, in recognition of her spirit and love of the gardens at the Faculty of Agriculture.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to mature students.

Selection criteria include career plans, academic performance and financial need, with preference to a student interested in landscape design and care.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Reginald (Reg) Moore Memorial Scholarships

Reg Moore was born in Economy Nova Scotia on August 25, 1917; the fifth of six children. He was educated in Economy and Bass River graduating in 1935. Reg then enrolled in Normal (Teachers) College in Truro. He taught in various locations in Nova Scotia until called up for service in the Royal Canadian Air Force in 1940. Reg served as a staff pilot and as a Coastal Command pilot in Canada and the United Kingdom. Returning to Canada in 1945 Reg enrolled in the Nova Scotia Agricultural College (now the Faculty of Agriculture, Dalhousie University). He graduated from the former NSAC in 1947. Reg spent his entire post war career at the FCC. First as a Credit Advisor, then as Branch Manager for Nova Scotia. In 1960 he was transferred to Saint John, New Brunswick as Executive Assistant to the Regional Manager Atlantic. By 1962 Reg had tired of doing office work and transfers (four in three years) so requested a transfer to field duties where he would have day to day contact with farmers. He was assigned to the Sussex, NB Office where he completed his career, retiring in 1981.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in a full-time capacity. Applicants must be permanent residents of Colchester County, Nova Scotia and will have completed at least one year of study. Selection will be based on financial need and a cumulative average of at least 3.00.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

Nova Scotia Animal Breeders Co-operative Limited Awards

The Nova Scotia Animal Breeders (NSAB) Co-op Limited specializes in an array of different cow options for their consumers. They offer products and supplies for cow farmers, and a multitude of service options. Some of the services offered are: artificial insemination, computer assisted herd mating, young sire program (Holstein), direct sales-owner breeders, and A.I. Sires.

Eligibility: Available to current students in the 2nd year of the BSc (Agriculture) with a major or minor in Animal Science or the 2nd year of a diploma with specialty in Dairy Farming or Agriculture. Recipients must have attended high school in Nova Scotia and demonstrate an interest in the dairy or beef industry through their farm backgrounds, course, and/or project work.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Nova Scotia Federation of Agriculture Scholarship

Since 1895, the Nova Scotia Federation of Agriculture has represented the interests of Nova Scotia's agricultural community. Today its members account for well over 90% of all agricultural production in Nova Scotia. With an organizational structure that includes representation from 13 county and regional federations and 27 recognized agricultural commodity groups, the Federation brings together over 2,400 individual farm businesses representing all aspects of primary agriculture in the province.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia with farm or 4-H backgrounds. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 2 @ \$500

Nova Scotia Federation of Agriculture 100th Anniversary Scholarship

In recognition of the 100th Anniversary of the Nova Scotia Federation of Agriculture in 1995.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture who are permanent residents of Nova Scotia with a farm background, financial need, and good academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia Institute of Agrologists Scholarships

Founded in 1953, the Nova Scotia Institute of Agrologists is the provincial organization authorized under the Agrologists Act to govern the professional conduct of its members, in support of the public interest. Persons who hold themselves out to be a professional agrologist must be registered with NSIA under the Act.

Eligibility: One will be awarded to a student entering their third year of the BSc(Agr) program and the second, recognizing the current anniversary of NSIA, to a student entering their second, third or fourth year of the BSc(Agr) program. Students must be from Nova Scotia and will be selected based on academic performance, participation in school and community activities, degree of interest in agrology, career plans in the Agri-food industry, and financial need.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: 2 @ \$1,000

Donald Palfrey Award

The Don Palfrey Award was established in memory of Don Palfrey in recognition of his many years of service and contributions to weed science in Nova Scotia. Don was born in Fort Fairfield, Maine. He received his formal education in Pictou County and he graduated from the AC in Truro, Nova Scotia and from McGill University in Montreal, Quebec with a Bachelor of Science in Plant Pathology. He worked for the N.S. Department of Agriculture in Marketing for 37 years, retiring as Supervisor of Weed Science, where he was a key player and helping in pioneering work in extension and research in weed control in Nova Scotia. Don also taught at the AC for 18 years, teaching courses in Weed Control and Plant Pathology. He was a distinguished life member of the N.S. Institute of Agrologists and the first honorary life member of the Atlantic Vegetation Management Association. As a result of Don Palfrey's sincere commitment to the Department of Agriculture and his field of interest, an award has been created to honor his memory and legacy.

Eligibility: Awarded to a final year undergraduate student carrying out a research project in the area of pest management, with preference to a student involved in weed science, either through academic work or summer employment.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert Parent Memorial Scholarship

The Robert Parent Memorial Scholarship was created in memory of Robert Parent who attended the Agricultural Campus and graduated in 1921. His wife, Laura E. Daisy Parent, left in their estate, wishes to establish a scholarship in his memory.

Eligibility: Available to an outstanding current student in any undergraduate program in the Faculty of Agriculture who has not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

Stuart Rath Junior A Bearcat Hockey Education Award Fund

The Stuart Rath Truro Bearcat Education Awards have been established to encourage the pursuit of university education among players with the Truro Junior A Bearcat Hockey Team ("The Bearcats") by providing tuition support for players enrolled at Dalhousie University. Stuart Rath, a very involved community member of Colchester County and surrounding area, established The Bearcat Hockey Education Award. Some of Stuarts endeavors are as follows: he serves as the Vice President of Truro Centre Ltd, and the President of Stuco Holdings Ltd. From 1985-1995 Stuart served as the President of Halifax Cablevision Ltd, from 1976-1985 he served as the President and General Manager of Eastern Cablevision, and from 1960-1975 he was the Chairman of the Truro Industrial Society. A few of Stuarts other accomplishments are being Director of Nova Scotia Business Inc. since March 2007, Director of Morien Resources Corp since December 1997, as well as serving as Director of Stuco Holdings Ltd. and Director of Erdene Resource Development Corporation since June 2006 until November 2012.

Eligibility: Available to entering or current technical and undergraduate students at the Faculty of Agriculture. Selection is based on academic performance and the recommendation of the team coaches.

Application Type: Automatic Consideration – No Application Required

Cliff and Grace Retson Memorial Scholarship

The Grace and Cliff Retson Memorial Bursary was first created by Grace in memory of her husband, Cliff Retson who graduated from the AC in 1934. Cliff passed away in 1997. Grace was born in Waskada, Manitoba and grew up in Kerrobert, Saskatchewan. She attended secretarial school in Saskatoon and after retiring, she received her Bachelor of Arts from St. Mary's University. Grace met Cliff, her husband of 56 years, while she was working at the Senate in Ottawa. They married on July 26, 1941 and moved to Truro in 1947. The Retson's (Grace & Cliff) hosted several international students studying at the Faculty of Agriculture over the years. It is for this reason and to ensure ongoing support of the educational interests of International students studying at Dal-AC, that Grace created the scholarship.

Eligibility: Available to international students in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, and interest in and involvement in multi-cultural activities on campus.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

Ira L. Rhodenizer Memorial Scholarship

Ira Rhodenizer was born in 1890 in Parkdale, Lunenburg County, Nova Scotia and lived there for the majority of his life. He served in the Canadian Army from 1914 to 1919 and was wounded overseas during World War I. He later became a farmer, storekeeper, and lumberman in Parkdale, NS. He was greatly interested in community life and was associated with farmer's organizations for many years. He was married and had seven children. He was a member of the Baptist Church, the I.O.O.F. and Masons. Ira was active in Nova Scotia Guides and Fish and Game Associations, had been a municipal counsellor and President of the Lunenburg Centre Liberal Association. He was a Director of the Nova Scotia Federation of Agriculture and was killed in a car accident on the way to a meeting of this organization in August 1958. The Ira L. Rhodenizer Memorial Scholarship was provided by the Federation as a memorial for his dedication and contributions through the years.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Selection criteria include academic performance, involvement in student affairs, and participation in the 4-H program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Robert G. Rix Family Farm Scholarship

Robert (Bob) Rix was born in Halifax on July 29th, 1948. Robert graduated from Dalhousie University Dental School in 1974. He practiced in Musquodoboit Harbour, Tatamagouche, and Winsloe, PEI, prior to opening his own dental practice in Bible Hill. He took great interest in his profession and knew the family trees of most of his patients and will be fondly remembered by everyone for his excellent dentistry, story-telling, knowledge of American History, love of gardening, tinkering with mechanical items, love of nature and his family. Robert had originally established the "Robert G. Rix Family Farm Bursary" in 1985. Although not having a farm background himself, he shared his beliefs that everyone's roots are in the land and he felt his way to contribute to the importance of agriculture to our society was through this small bursary each year. A couple years ago, the award became known as the "Dr. Robert G. Rix Scholarship" to allow support to a student where the need was greatest. After Robert's passing, one of the faculty provided funds to continue the bursary in Robert's name. Since then, Robert's family has graciously supported the scholarship to allow his legacy and memory to live on.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who has shown determination and dedication to operating a family farm.

Recipients will have demonstrated financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

J. Arnold Roberts Memorial Scholarship

The J. Arnold Roberts Memorial Scholarship was created by Elsie Roberts in memory of her husband, Arnold Roberts. Establishing a scholarship in memory of a loved one is a wonderful way to ensure their legacy and memory lives on, and this is what Elsie wished for her late husband.

Eligibility: Available to current students in any year of an undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces. Awarded to an outstanding student who is not receiving a scholarship of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ted Rose Memorial Scholarship

The Ted Rose Memorial Scholarship was created by Mrs. Ann M. Rose in memory of her husband, Ted. Ted had grown up on a dairy farm in Urbania, near Shubenacadie. Ted and his brother Percy ran the farm after the death of their father. Although no one from the family had any connection to the AC, Mrs. Rose had a soft spot for farming, admitting there can be "nothing as rewarding as farming." Rose wanted to provide a scholarship to a deserving young person who is interested in farming themselves someday, while honoring her husband's memory.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded to a student who plans to operate a livestock farm. Selection criteria include financial need, academic performance and a documented commitment to animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Rotary Club of Truro International Student Bursary

The Rotary Club of Truro has been part of the fabric of the community of Truro as well as the network of Rotary Clubs around the world since 1926. The Rotary Club of Truro is proud of its years of service and benevolence in the community and internationally. In addition to providing assistance to countless individuals with special needs for medical treatment or equipment over the years, the Club has continued to focus on the needs of children with disabilities.

Eligibility: Available to a current international student at the Faculty of Agriculture. Preference will be given to students registered in a program of study and registered full time, with additional preference given to students studying for the full year. Special consideration will be given to students who came from a developing country and plan to return and apply their education there. All students paying the international tuition differential are eligible for consideration. Selection criteria include financial need and potential impact of the bursary on the student's lifestyle while at school and their future plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Rick Russell Memorial Scholarship

Rick Russell passed away Saturday, July 3rd, 2004 after a courageous battle with cancer. After graduating from NSAC, Rick was employed at the College as the swine herdsman for 20 years and then as manager of the fur unit for 4 years. Rick was the coach of the former NSAC Woodsmen Team for 24 years. He was well respected by both his peers and the athletes he coached. He was always giving of himself and was recognized for his unselfish devotion to the college community by the AC Student population by being given the Student Appreciation Award in 1995. Due to his sincere commitment to NSAC and his community, a scholarship has been created in his memory.

Eligibility: Available to current student athletes in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, involvement and leadership in the Woodsmen program, and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Jack Sibley Agriculture Bursary

This award was established by the John & Judy Bragg Foundation to honour John D (Jack) Sibley. Jack was born in 1937 at Meaghers Grant in Nova Scotia's

Musquodoboit Valley and graduated from Musquodoboit Rural High School in 1954. After receiving a BA from Mount Allison University in 1957 he attended the Nova Scotia Agricultural College and is an alumnus of the Class of 1959. He began his working career as a teacher and then moved on to work for several years as a field manager for McCain Foods. In 1965 he returned to Nova Scotia and spent the next 29 years as a wild blueberry extension specialist with the Department of Agriculture and Marketing. In 1994 he retired from this position and in 1997 began work with WBANA Canada in wild blueberry promotion, retiring in 2011 after a total of 44 years of service to the wild blueberry industry. Jack had a number of part-time careers which included operating his own wild blueberry acreage, working as a musician and MC, and teaching old-time fiddling to children from the Truro area.

Eligibility: Awarded to a full-time technical or undergraduate student at the Faculty of Agriculture who demonstrates financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sodhi Memorial Bursary

This bursary was established by the Sodhi family in memory of Mr. Bhagat S. Sodhi, long-time librarian at the former Nova Scotia Agricultural College. Mr. Sodhi immigrated to Canada in the 1960's, in search of opportunity for his future family. After meeting and bringing his wife Darshan to Canada, they settled in Truro, NS, and began their family. Mr. Sodhi began working at the former Agricultural College in 1968, when the campus library was housed in Cox Institute. He was instrumental in moving the library to its current location at the MacRae Library, acting as head librarian until 1995. Mr. Sodhi considered the library staff as a second family. As a tribute to his memory, the Sodhi Family established an award in his name upon his passing on June 1st, 2009.

Eligibility: Available to current international students at the Faculty of Agriculture in good academic standing, with preference given to students in undergraduate and technical programs based on financial need. Students in all programs of study are eligible.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sport Leadership Award

The Sport Leadership Award recognizes a high school varsity athlete enrolling full time in a program of study and planning on participating in a sport at the varsity level at the Faculty of Agriculture.

Eligibility: Available to entering technical or undergraduate students at the Faculty of Agriculture with an admissions average of at least 75%. Recipients of other major entrance scholarships are not eligible. Selection criteria include financial need, sport skills and leadership.

Application Type: Automatic Consideration – No Application Required

Phillip Stead Memorial Leadership Award

Phillip Stead graduated from the former Nova Scotia Agricultural College in 1965 with a degree certificate. He left Nova Scotia to complete his BSc. in Animal Science at McGill University and returned in 1967 to begin what was to be a long and successful career with the Nova Scotia Department of Agriculture, working as a sheep specialist with the Animal Industry Branch. In 1972 Phil continued his education by completing a MSc. in Agriculture and Nutrition at Virginia Polytechnic Institute and State University. For his passion for community involvement and his long standing contributions to Agriculture, a memorial award has been created in his name.

Eligibility: An award will be presented annually to a student who has exhibited outstanding leadership at the Faculty of Agriculture and/or within the community.

Nominations for the award will be received by a committee representing the Student Leadership program at the Faculty of Agriculture and a member of the sponsoring body for the award (Nova Scotia/Newfoundland Holstein Branch). The committee will select an awardee from those nominated who best represents the leadership qualities and performance in the past year or number of years that would be a model for others. Selection criteria may also include academic performance, financial need, and the other awards that have been granted to the nominee.

Application Type: Contact the Faculty for more information

Captain R. M. Steele Memorial Fellowship

Captain Richard Steele was a founding member of the Atlantic Chapter of the Rhododendron Society of Canada (RSCAR) and supported the creation of the Atlantic Rhododendron & Horticultural Society. He faithfully attended, and contributed to, meetings and programs. A mentor and friend to many, and with an international network of plants people, he was a major influence on horticulture, locally and further afield. RSCAR members in the early days established the tradition of the annual Steele Lecture, the objective being to bring a top-ranking plants person to Nova Scotia as a guest speaker. Captain Steele died March 14th 2010.

Eligibility: Awarded to a final year undergraduate student in the Faculty of Agriculture who intends to pursue plant-related studies at the graduate level.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stewiacke Valley Garden Club Scholarship

Stewiacke Valley is located in the Southern area of Colchester County. The Stewiacke Valley Garden Club is involved in the beautification of the Valley, as the Club is a part of the Nova Scotia Association of Garden Clubs which promote the general landscape beautification of the province. The Club hosts a multitude of events, such as speakers on Horticulture, etc., bake sale events, plant sale events, and more.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicant must be from the Stewiacke Valley area of Nova Scotia.

Selection criteria include involvement in extra-curricular and community affairs, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Syngenta Canada Inc. Awards

Syngenta is one of the world's leading companies with more than 28,000 employees in some 90 countries dedicated to their purpose: Bringing plant potential to life.

Syngenta's mission is to make a difference for smallholders in developing countries. By helping them become more professional growers, they want to achieve added value for rural communities. One way they do that is through technical innovation. Equally important is access to markets, enabling smallholders both to buy inputs and sell their produce. These and other factors are all essential for sustainability successful agriculture.

Eligibility: Available to a technical or undergraduate student in any program in the Faculty of Agriculture. Awarded to students whose course and project work reflect an interest in the Maritime potato industry. Applicants will be required to submit a 300-500 word essay expressing opinion on a topic relating to the crop protection industry. Selection criteria include academic performance, and potato farm experience or background.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bruce Trenholm/Atlantic '86 Scholarship

Bruce was born on the family farm in Grand Pre, Kings County, he graduated from the former Nova Scotia Agricultural College and MacDonald College, receiving his Bachelor of Science Degree in Animal Husbandry in 1947. Upon graduating from McDonald College he served as the Agricultural Representative in Yarmouth and then taught Animal Husbandry at the former Nova Scotia Agricultural College for three years. In 1952 he took over the family farm going on to establish the well-known Brulo herd. Bruce's contributions to agriculture have been many and varied and are worthy of recognition in the Atlantic Agricultural Hall of Fame. He had a lifelong interest in Holstein cattle and was Master Breeder and Past President of Holstein Canada. In 1986, the year of Bruce's death, he coordinated Atlantic '86 – the Annual National Convention of Holstein Canada. This scholarship was established in his name as an on-going memorial.

Eligibility: Available to students entering their final year in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces, have a Holstein farm or 4-H (Holstein calf project) background. Selection criteria include academic performance and career goals.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

University Medal in Integrated Environmental Management

Awarded to the graduating Integrated Environmental Management student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Eric Williams Memorial Scholarships

Born in 1938 Eric P. Williams started farming in 1959 with nine cows and twenty acres. Today the Williams' family own and operate a two hundred head Holstein dairy farm in the Goulds and employ a nephew and one other worker. Eric worked hard to introduce supply management for milk producers in Newfoundland. In 1983 he was appointed the first chair of the Newfoundland Milk Marketing Board now known as the Dairy Farmers of Newfoundland and Labrador. During his lifetime he fought to improve the cost of production formula for milk producers in the province. Eric was also nominated by the Dairy Farmers of Newfoundland and Labrador in recognition of his tremendous contributions to agriculture, to become an inductee into the Atlantic Agricultural Hall of Fame. It is for the same reasons that the Dairy Farmers of Newfoundland and Labrador have established a scholarship in his memory for his dedication and commitment to agriculture.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program in the Faculty of Agriculture.

Applicants must be permanent residents of Newfoundland and Labrador. Selection will be based on academic performance. Typically one award is given to a technical student and the other to an degree-seeking student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Zhuhui Ye Memorial Award

This fund was established by classmates of Zhuhui Ye (Kevin) to honour his memory. Kevin attended the former Nova Scotia Agricultural College as part of the FAFU 2+2 program, earning his BSc(Agr) in Aquaculture in 2012. Kevin continued his studies with the Dalhousie MSc. program. On September 8, 2012, Kevin lost his life in a drowning accident at Dollar Lake Provincial Park. Kevin is well remembered as an intelligent, popular, and outgoing man whose generosity touched the lives of many friends. The intent of the Zhuhui Ye Memorial Award is to further the understanding of culture and relationship between Chinese and Canadian students by supporting the FAFU/DAC 2+2 program.

Eligibility: Award to a Chinese student in the FAFU 2+2 program or another student demonstrating a commitment to and involvement with the FAFU 2+2 program at the Faculty of Agriculture, in addition to academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadlines

Value: \$500

Environmental Sciences

Faculty of Agriculture Alumni Family Scholarships

In celebration of the fact that many students at the Faculty of Agriculture are family members of AC Alumni, the Alumni Association decided to establish a Family Bursary for the first time in 2008. There are several bursaries available for family members of Alumni attending the Faculty of Agriculture.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500 - \$1,000

Faculty of Agriculture Athletic Bursaries

Awarded to returning student varsity athletes.

Eligibility: Available to current student varsity athletes in any undergraduate program in the Faculty of Agriculture. Applicants will have demonstrated financial need, satisfactory academic standing, and be recommended for the award by a coach.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Faculty of Agriculture Bursaries

The Faculty of Agriculture has established a fund which will provide bursaries to assist students in need of financial assistance. Students in need of financial assistance can apply for a bursary on an ongoing basis throughout the academic year.

Eligibility: Available to current students at the Faculty of Agriculture who have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Animal Nutrition Association of Canada (Atlantic Division) Scholarship

The Animal Nutrition Association of Canada (Atlantic) Scholarship was established in 1989 for a student who successfully completes their second year of B.Sc. (Agr.) program. The Animal Nutrition Association of Canada (ANAC) is the national trade association of the livestock and poultry feed industry. The 170 members include feed and ingredient manufacturers and distributors, as well as suppliers of a wide range of goods and services to the feed industry. Taken together, ANAC's membership represents 90 percent of commercial feed manufactured in Canada.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program who have demonstrated leadership in student and community affairs, strong academic performance, and who are not receiving other scholarships of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ralph H. Armstrong Memorial Award

Established in memory of Ralph Armstrong of North Kingston, Kings Co., Nova Scotia. Ralph was well known for his breeding of dual-purpose Shorthorns and marketing of livestock. His prize Shorthorns had been exhibited under the Brookmont Farms name for more than 30 years at Exhibitions throughout Nova Scotia, the Royal Winter Fair in Toronto, and in the 1980 World Shorthorn congress in Calgary. Mr. Armstrong was an honoured member, Secretary and Past President of the Nova Scotia Shorthorn Association, Vice President of the Annapolis County Exhibition, Past Director of the Atlantic Winter Fair and Past Director of the Maritime Shorthorn Association.

Eligibility: Available to former or current 4-H club members from Kings or Annapolis Counties in Nova Scotia who have completed their first year of study in any undergraduate program at the Faculty of Agriculture. Selection is based on financial need and involvement in school, athletic and/or community organizations.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$400

Associate Dean's Scholarship

Established by the Faculty of Agriculture and has built on a proud history of industry-leading education and research.

Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program. Awarded based on academic merit.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Atlantic Council of Crop Life Canada Awards

CropLife Canada is the trade association representing the manufacturers, developers and distributors of plant science technologies, including pest control products and plant biotechnology, for use in agriculture, urban and public health settings. They strive to ensure that the benefits of plant science innovations can be enjoyed by both farmers and consumers. CropLife Canada promotes sustainable agricultural practices and are committed to protecting human health and the environment.

Eligibility: Available to current students in the Diploma of Technology programs in the Faculty of Agriculture. Recipients will be from agricultural backgrounds and plan to pursue employment in the agricultural sector. Preference is given to students whose backgrounds, course and project work, summer employment, and career plans reflect an interest in the crop protection industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Atlantic Fertilizer Council Award

Eligibility: Awarded to a student from Atlantic Canada in the second year of a diploma program related to crop protection. Selection criteria include farm interests, leadership qualities within the University community, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

Atlantic Poultry Conference Award

The Atlantic Poultry Conference is the key meeting place for producers and service providers to gather and discuss and share their news, the Conference is held once per year. Speakers who attend the Conference address a number of topics that cover: ventilation, energy, health, reducing feed costs, transportation, eggs, chickens and turkeys.

Eligibility: Awarded to a student whose course and project work reflect an interest in poultry. Preference will be given to final year students in the BSc(Agr) program who have either completed or have plans to complete a poultry-related research project in RESM 4002 and RESM 4003. This scholarship is awarded in odd years.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Dr. Roger S. Bacon Scholarship in Agriculture

Dr. Roger S. Bacon was a dairy farmer and blueberry producer from Cumberland County, Nova Scotia. He was also a long standing MLA from this area. During his political career, he was a well-respected and long serving Minister of Agriculture and for a time Premier of Nova Scotia. In keeping with his lifetime interest and service to Agriculture, Dr. Bacon has made a donation to establish an endowed fund to support a new scholarship at the Faculty of Agriculture.

Eligibility: Awarded to a Nova Scotia student entering the final year of any program at the Faculty of Agriculture who has plans to pursue a long term career in agriculture. Selection criteria include career plans, academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$2,000

Doug Bailey Memorial Bursary

Doug Bailey had a lengthy and successful career at Farmers Dairy. It began at what is now known as the Middleton Spreads Plant in 1968 when Twin Cities Dairy acquired J.D. MacKenzie's Limited. Doug held many managerial positions over the years, including General Manager of the Truro Cheese Plant and Vice-President and General Manager of Central Dairies in Newfoundland. He was appointed President and Chief Executive Officer of Farmers Dairy in 1987, a position he held until his death in 1996. One of Doug's greatest strengths was his leadership ability, which he demonstrated not only with Farmers Dairy but also throughout the industry. The Farmers Dairy Board of Directors established this Bursary in memory of Doug.

Eligibility: Awarded to a technical, undergraduate, or graduate student at the Faculty of Agriculture who is a family member of a Farmers Dairy shareholder or employee. Selection criteria include leadership, extracurricular and community activities, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Bible Hill Garden Club Scholarship

The Bible Hill Garden Club, originally referred to as Hillcrest Landscape Club was first organized in January of 1947. The group was created to promote the improvement of home grounds, assist in the beautification of community grounds, local parks and schools. Over the years, the group has gained popularity and has grown from 17 members to over 60, mostly women who range in age of 50-60. The group contributes to the Faculty of Agriculture through help supporting students with the bursary they have created.

Eligibility: Available to current students who are permanent residents of the Truro area, in any undergraduate program at the Faculty of Agriculture, with preference given to students in at least the second year of study in Horticulture, preferably a landscape program. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

David W. Brown Memorial Scholarship

The David W. Brown bursary is an ongoing demonstration of appreciation to the foundation of the David Brown United Limited by Atlantic Poultry Incorporated formerly ACA Cooperative Limited. Initiated in November 25, 1976; the company has continued to fund an annual memorial scholarship.

Eligibility: Available to students who have graduated from a high school in Atlantic Canada and who are entering the second year of a technical program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, an interest in farming, and an interest in the poultry industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Edward Brown Memorial Undergraduate Bursary

The Edward Brown Memorial Undergraduate Scholarship was created in memory of Edward Brown under the estate of his wife, Dorothy Aveleigh Brown. Edward attended the Agricultural Campus and graduated in 1954.

Eligibility: Available to a Bachelor of Science (Agriculture) student, with preference to a student in the fourth year of study from Atlantic Canada.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Merle Cail Memorial Scholarship

The Merle Cail Memorial Scholarship Fund was created by Merle's wife, Faye Cail in memory of Merle's dedication to organic agriculture. Born in Rexton, New Brunswick, Merle was heavily involved in his community. He attended Zion Presbyterian Church, was director of Northumberland Co-operative and Cartier Co-operative, member of the Kent Agriconservation club, Moncton Holstien Association, Kent Farmers Association, Dairy Farmers of NB, and many more. Merle also had a dedicated career as a farmer.

Eligibility: Awarded to a senior undergraduate or graduate student from Atlantic Canada studying in the Faculty of Agriculture whose course and project work reflect an interest in organic agriculture. Selection criteria include academic performance, financial need and commitment to organic agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Vera Caldwell Memorial Bursary

Vera Caldwell was born on June 3rd, 1924 in Hants County. She was a very devoted and involved member of the Newport United Church, serving as a Steward, Sunday School Teacher, and as a Youth Group Leader. Vera taught school for more than 25 years, first beginning in a one-room schoolhouse and ending her career at Brooklyn District Elementary School in 1989. As shown by her achievements, Vera was dedicated to the educational system and being a life-long learner. She was passionate about international education and actively supported education for children from developing nations. Due to her sincere involvement and passion in the educational system, a bursary has been created in her memory.

Eligibility: Awarded based on financial need to full-time technical or undergraduate international students at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Canard Conservation Undergraduate Scholarship

Dr. Charles Albert Eaves was born February 21st, 1908 in Liverpool England. Charles immigrated to Canada in March 1926 and in 1932 received his B.Sc. from McGill. In 1933 he attended Cambridge University on an I.O.D.E overseas scholarship before returning to McGill to receive his MSc. degree in 1937. On October 25, 2000, he received an Honorary Doctorate from Dalhousie University and the former Nova Scotia Agricultural College, now Dalhousie Faculty of Agriculture. The Canard Conservation Scholarships were established by Dr. & Mrs. Eaves to provide a graduate and undergraduate scholarship each year for students of Kings County focusing on environmental studies related to agricultural practices with particular reference to dyke land preservation and the general conservation of soil and water reserves.

Eligibility: Awarded to a student who is a permanent resident of Kings County, Nova Scotia, in the first or second year of the Bachelor of Science (Agriculture)

program who is planning course and/or project work related to the environment. Selection criteria include academic performance, demonstrated interest in the environment, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

James Card Memorial Bursaries

James Card was born in Windsor, Nova Scotia on October 12, 1924. He was a life-long farmer in Centre Burlington and was a former West Hants Municipal Councillor and was also a 4-H Club leader. As a part of James estate, three awards have been sponsored in his memory.

Eligibility: Awarded to students in financial need, with preference to international students, who are studying at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: 3 @ \$1,000

Chartwells Scholarships

Chartwells is a catering/food service company that specializes in providing services to higher education students. They are committed to providing programs and solutions to students to fit their unique needs and requests. Chartwells understands that a well-balanced diet is integral to an individual's state of mind and long-term happiness. Providing students with a high-quality food service isn't the only commitment Chartwells has made, they also offer multiple scholarships for both graduate and undergraduate programs.

Eligibility: Available to current students with high academic performance in any undergraduate program in the Faculty of Agriculture at Dalhousie who have not received other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Gerard Chiasson Memorial Award

Gerard Chiasson was born in 1931 in Margaree Forks, Inverness County, Nova Scotia. Gerard was very involved in outdoors activities, he was a farmer, fisherman and lumberman. He was also very involved in his community, he was a past president of the N.S. Woodlot Owners Association and The N.S. Federation of Agriculture, Inverness County Federation of Agriculture, Margaree Credit Union, Margaree Gasperaux Fisherman Association, and Eastern Dairy Foods Co-op. He was former chief of the Margaree Volunteer Fire Department, former chairman of the Margaree River and Community Protection Community, former member of the board of N.S.

Volunteer Planning and was also the president of the N.S. Landowners and Forest Fibre Productions Association. As a result of Gerard Chiasson's sincere commitment and his lifetime of contributions to the Nova Scotia Federation of Agriculture and community organizations, a scholarship has been created in his memory.

Eligibility: Available to upper-year students in any undergraduate program in the Faculty of Agriculture who are residents of Cape Breton (with preference given to those from Inverness County). Selection criteria include financial need, involvement in community activities, and leadership.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Chicken Producers of Nova Scotia Award

Eligibility: Available to current students from Nova Scotia in any undergraduate program in the Faculty of Agriculture at Dalhousie. Applicants will demonstrate interest in pursuing the study of poultry. Preference will be given to applicants with a farming background. Students may not receive this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Class of 1950 Award Fund

The Class of '50 Award was first established in 2000 at the Class of 1950, 50th anniversary weekend celebration. President, Don Young and Vice-President, Jack Johnson spearheaded the campaign to get their classmates involved in their commitment to help future AC students. The group recognizes the difficulty that young students face to finance their post-secondary education, as they too faced similar challenges. After a great deal of preparatory work from Don, Jack and Cliff McIsaac, a proposal was created for the Class of '50 Award fund of to assist deserving students to "stick with it." The group of classmates have made and continue to make significant contributions to the campus and students.

Eligibility: Available to current students in financial need in any technical or undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Charles M. Collins Memorial Scholarship

The scholarship is in memory of Charles McKittrick Collins who spent the years 1936-1962 working in various positions in the agricultural industry in Nova Scotia, including teaching at Dalhousie's Agricultural Campus for twenty-five years. Collins Horticultural Building on the Dal-AC campus is named in his honour as well.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in the Bachelor of Technology program in Environmental Landscape Horticulture who have not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,200

George and Lottie Cook Memorial Scholarship

Lottie Cook first developed her passion for agriculture on her family farm on Cape Breton Island. Lottie's parents were pioneers in the agricultural industry, and her father a renowned farmer. At a young age Lottie became involved in 4-H where she achieved some of the club's top honours. She later graduated from the former Nova Scotia Agricultural College and worked as an assistant agricultural representative to J.C.F MacDonnell for many years. In 1943 Lottie married George Cook and the pair later opened a chick hatchery in Truro and became one of the foremost producers of high quality chicks in the Maritime Provinces. After the passing of her husband in 1954, Lottie continued to operate the family business. Due to Lottie's involvement in the agricultural industry and former NSAC community from both herself and family business, a scholarship has been created in her and her husband's name.

Eligibility: Available to students from Nova Scotia in the first or second year of a technical or undergraduate program at the Faculty of Agriculture. Selection criteria

include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Co-op Atlantic Scholarships

Co-op has established a scholarship open to employees and dependents of members of Co-op Atlantic. Co-op is an association of volunteer board members who have joined together to create a business that can supply products and services at a fair and reasonable cost. Specifically, Co-op focuses on a shared partnership with the members of the community in which it resides. The most unique attribute of the Co-op is its democratic control. The control is left to the members only, and is not powered strictly by a dollar figure. This allows for farmers and other entrepreneurs to grow and prosper, all while offering goods and services at a low cost to their customers.

Eligibility: Awarded to current first year students at the Faculty of Agriculture based on academic performance, demonstrated leadership ability, extracurricular and community involvement, work experiences, and interest in and understanding of co-operation and co-operatives. Applicants must be employees or dependents of members of Co-op Atlantic.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: \$3,000 (degree) and \$1,000 (diploma)

Dr. Kenneth Cox Memorial Scholarship

The Dr. Kenneth Cox Scholarship was created by the class of 1964 as a tribute for the retiring Principal of the former Nova Scotia Agricultural College. Dr. Kenneth Cox followed a very distinguished career in the Maritime agricultural industry. His early training was at the former NSAC, now known as the Faculty of Agriculture, where he graduated with the Class of 1921. He continued his studies at the Ontario Agricultural College graduating in 1924 with a Bachelor of Science in Agriculture.

Eligibility: Available to students entering the final year of the Bachelor of Science (Agriculture) program or a diploma program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dairy Farmers of Nova Scotia Award

The Dairy Farmers of Nova Scotia organization was created through legislation enacted in 2001, and replaces the former Nova Scotia Dairy Commission. The organization exists under the umbrella of the Natural Products Marketing Council of the Department of Agriculture. The Dairy Farmers of Nova Scotia bursary has been active since 1989 and continues to help support students with their post-secondary education.

Eligibility: Available to a third or fourth year Bachelor of Science (Agriculture) student or a graduate student from Nova Scotia undertaking course or project work related to the dairy industry. Selection criteria include proven interest and experience in the dairy industry, the potential beneficial impact of study on the Nova Scotia dairy industry, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dartmouth Horticultural Society Scholarships

The Dartmouth Horticultural Society is a gardening club whose aim is to promote, enrich and expand the practice of amateur gardening. Monthly meetings are held where their guest speakers from inside and outside the Society share their knowledge. In addition club experts are available for formal and informal exchange of ideas. Some of the club's activities include a plant sale, a flower show, the planting and maintaining of a raised bed in Leighton Dillman Park, plant exchanges, and garden tours.

Eligibility: Available to upper-year students in any plant-related undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to students from the Halifax Regional Municipality, followed by all Nova Scotia residents, followed by residents of other Canadian provinces. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dalhousie Agricultural Students' Association Awards

Dalhousie Agricultural Students' Association (DASA) is the student association for all students at the Dalhousie Agricultural Campus. DASA is the official voice of the student body, and provides leadership and vision for the students of the Agricultural Campus. DASA promotes student engagement and leadership through various campus activities including Orientation, Shinerama, College Royal and Winter Carnival. DASA also promotes student engagement within the surrounding communities of Truro and Bible Hill. DASA works closely with Student Services and Administration to collectively provide a welcoming community dedicated to higher learning and service to the community.

Eligibility: Awarded to students enrolled in the Faculty of Agriculture who have demonstrated, in the current academic year, exceptional school spirit and involvement in any or all of the following: DASA sponsored events, volunteering, campus community leadership.

Application Type: Automatic Consideration – No Application Required

Value: 2 @ \$300

K. de Geus Memorial Prize for Plant Science

The K de Geus Memorial Prize was created in memory of Klaus de Geus. Klaus, met his wife, Christina "Tina" de Geus, in DeBeemster, The Netherlands. Klaus and Tina immigrated to Canada in 1957 with their three children, Gram, Louise, and Tineke. When they arrived in Canada, they decided to settle in Nova Scotia where they made a new life for their family, including setting up and running a successful flower shop and landscaping business in Bridgetown. Tina took great pleasure in her work as a floral designer. Over the years, she gave many demonstrations on all aspects of floral designing. This led to a career in teaching floral design in the continuing education department of the former Nova Scotia Agricultural College.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture, based on high standing in course work, with preference to students in the Horticultural field.

Application Type: Automatic Consideration – No Application Required

Ernest L. Eaton Memorial Scholarship

Throughout Mr. Eaton's lifetime he maintained a keen interest in scientific agriculture, and the education and development of the interested young people. He personally established the Ernest L. Eaton Scholarships, and made provision for them to continue in perpetuity. Although none of his children are directly active in

farming, they all are interested in, and support, the fine work being done at present at the Agricultural Campus. The hope for the recipient of the Ernest L. Eaton Scholarship is to encourage the pursuit of excellence in both academic and scientific activities.
Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program based on performance in second year. Recipient cannot have received another scholarship of higher value.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Egg Farmers of Newfoundland and Labrador Scholarship

The Egg Farmers of Newfoundland and Labrador (formerly the Egg Producers of Newfoundland and Labrador) is a commodity board governing the production of eggs.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Newfoundland and Labrador.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Noel Enman Memorial Award

To honor the memory of Noel Enman, a former Agricultural Campus Animal Science Technician-Agricultural Technology student, 1979-1982, the Alumni Association has established a fund for the Noel Enman Memorial Award.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture whose personality and fellowship have contributed to student life and activities, thereby gaining the respect of the students and faculty.
Application Type: Automatic Consideration – No Application Required

Faculty of Agriculture Mature Student Bursary

At the Faculty of Agriculture, the student body demographics have shifted dramatically over the past generation. We have increasingly more students transfer from other institutions or begin studies as a visiting or mature student. The 2012 Annual Appeal for the Faculty of Agriculture focused on raising funds for an endowment that would benefit mature students. In addition, alumnus Charles MacQuarrie directed that his planned gift benefit Faculty of Agriculture mature students.

Eligibility: Students enrolled at the Faculty of Agriculture in full-time studies who demonstrate financial need and are mature students (as defined by the Registrar's Office).
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: See dal.ca/scholarships for application deadline
Value: at least \$1,000

Fall River Garden Club Bursary

The Fall River Garden Club's mission is to promote the improvement of home and community flower and vegetable gardens, lawns, trees and landscaping through friendly sharing of information, work and education. During the year they run fund raising events in order to raise money to beautify the neighborhoods. Their main fundraiser is their annual plant sale followed by an area garden tour whereby members open their gardens for viewing to the general public. The monies raised at these events go towards supporting Santa's Express and giving a Bursary to a student at the Agriculture Campus studying horticulture. In addition, the gardens maintained in the surrounding areas are also funded from these events.

Eligibility: Available to a first year student in a Horticulture program at the Faculty of Agriculture in good academic standing, with preference given to students from the Fall River, Waverley, Wellington, Oakfield, Lakeview or Windsor Junction, Nova Scotia areas. Other residents of Nova Scotia will be considered. Applicants will have demonstrated financial need and well-developed career plans.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$250

Farm Focus Scholarship

Farm Focus of Atlantic Canada is an agricultural newspaper that covers the Atlantic Provinces and their diverse food production. The publication contains information on the various sectors of the agricultural industry, including: regional, national, and international news; profiles on farms and farm families; 4-H; features on new innovations and technology; and editorials and opinions on issues of importance to the farming community.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture at Dalhousie. Selection is based on financial need and academic performance.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$200

Ena Fenton Memorial Scholarship

Ena Fenton was a founding member of the Bedford Horticultural Society in 1950. Ena was an enthusiastic and willing participant in every function of that group for 47 years. Mrs. Fenton had been a teacher prior to her marriage and had always been interested in the education of young people. After her death in 1977, the Society decided to name their scholarship in her honor. They feel certain that she would have been very pleased by their acknowledgment of her interest in the development of Horticulture and Landscaping in Nova Scotia.

Eligibility: Available to students studying Horticulture or Environmental Studies, entering the second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to those from Bedford, Sackville, and Waverley. In years when no student from Bedford, Sackville, or Waverley applies for the scholarship, consideration will be given to other students from the Halifax Regional Municipality (excluding those from Halifax and Dartmouth). Selection will be based on financial need, career plans, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

H. J. Fraser Memorial Prize in English

The H.J. Fraser Memorial Prize was established in memory of H.J. Fraser who taught at the Agricultural Campus.

Eligibility: Awarded to a second year student who has excelled in first year English at the Faculty of Agriculture.
Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$50

Dr. Gerry W. Friars Undergraduate Research Prize

Dr. Friars, a former NSAC Alumnus, was introduced to scientific research by an undergraduate research project. This was the beginning of a career in research in teaching. In recognition of the significance of this first research experience, Dr. Friars has provided a sum of money to endow an Undergraduate Research Award. Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture who is judged to have completed the best written research report as part of the fourth-year project requirements.
Application Type: Automatic Consideration – No Application Required
Value: \$250

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.
Application Type: Contact the Department, School, or College for more information

Governor General's Bronze Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of technical programs.
Application Type: Automatic Consideration – No Application Required

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.
Application Type: Automatic Consideration – No Application Required

Kevin Grant Memorial Scholarships

In memory of Kevin Grant, Class of 1975 (Animal Science Technician diploma).
Eligibility: Available to students entering their final year in any two-year diploma program at the Faculty of Agriculture, with preference given to students enrolled on a full-time basis. Selection criteria include academic performance, leadership and contribution to campus life, career plans, and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Green Diamond Equipment/John Deere Atlantic Agriculture Award

Green Diamond Equipment Ltd. became one of the largest privately held John Deere dealer organizations in Eastern Canada on November 1, 2008, with the consolidation of Planters Equipment Limited (NS) and PEI Farm Equipment (PEI).
Eligibility: Available to a technical or undergraduate student at the second year level or above who is a Canadian citizen from Atlantic Canada studying in the Faculty of Agriculture. The recipient will have a farming or agricultural background, demonstrate financial need, and have a life goal of working in agriculture in Atlantic Canada. A career in agriculture includes all areas from traditional farming, to engineering, to horticulture, to landscaping, and whether working in agri-business or with government.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,250

Jennifer Hayes Starratt Scholarship

The Jennifer Hayes Starratt Scholarship was created by Jennifer's husband, Mark, as a Christmas gift. Jennifer Starratt attended the Agricultural campus and graduated in 1996 with a Bachelor of Science in Agriculture. According to her husband the Agricultural campus holds a very special place in Jennifer's heart and having a scholarship created in her name, is something very special to her. Due to the couple's success in their professional lives, they were able to create a legacy to give back to the communities that have helped enrich their lives.
Eligibility: Available to female students entering their final year of the Bachelor of Science (Agriculture) program, with preference given to students who have completed their first three years at the Faculty of Agriculture. Selection will be based on academic performance, leadership, and involvement in campus activities. The scholarship will not be awarded to a student receiving other significant scholarships.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,500

Anna Helvig Schousboe Memorial Scholarship

This scholarship was established with the Department of Agriculture, Fisheries and Aquaculture, Government of New Brunswick, in memory of Anna Helvig Schousboe. Anna and her husband Gustav emigrated from Denmark in 1928 and became lifelong Kings Co. NB farmers and also very active in their community. Always strong believers in the value of education, after her death in 1993 Gustav endowed this scholarship in her memory to assist New Brunswick youth in pursuing studies in the agricultural field.
Eligibility: Awarded to a resident from Kings County, New Brunswick, working towards a degree or diploma in agriculture at the Faculty of Agriculture. Applicants must be permanent residents of Kings County, New Brunswick.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

John Higgins Memorial Scholarship

John was a founding member of The Atlantic Association of Landscape Designers in 1992. He was instrumental to the development of Canada's first ever Certification

Program for Landscape Designers, which was available to all designers in the Atlantic Region, and pre-empted the National Certification Program by several years. John Higgins' dedication and enthusiasm for the Landscape Design Industry throughout his career was unfaltering, his contributions immeasurable. It is for these reasons that AALD decided to offer a Design Scholarship for students attending the AC, to be dedicated in his name. The Atlantic Association of Landscape Designers hope is that, in part through this scholarship, his legacy will live on.

Eligibility: Available to students entering third year of the Bachelor of Technology in Environmental Landscape Horticulture program in the Faculty of Agriculture. Selection criteria include academic performance and skill and interest in landscape design.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Randy and Gladys Keddy Memorial Scholarship

The Randy & Gladys Keddy Memorial Bursary was established by their son, Stewart Keddy in memory of his parents to provide an on-going legacy that is meaningful for family members and friends. Stewart graduated from the Faculty of Agriculture in 1967, from McGill University in 1969, and from Dalhousie Dentistry in 1974, where he was recognized for excellence in endodontics and radiology. Stewart practiced as a dentist for 37 years. He served in the Dental Corps from 1974-1979 and was a founding partner of Purdy's Wharf Dental Group from 1985 until his retirement in 2011. He held memberships in the Nova Scotia Dental Association, Canadian Dental Association, and Academy of General Dentistry.

Eligibility: Available to students entering second year of a diploma program or the third year of a degree program in the Faculty of Agriculture, with preference given to students from the Annapolis Valley of Nova Scotia with farm backgrounds. Awarded to a student whose background, program of study, course and project work and summer employment show a genuine interest in working in the agricultural industry following graduation. Selection criteria include career goals, academic performance, and financial need. Students receiving other scholarships of greater value will not be eligible for this scholarship.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Kings Mutual Insurance Scholarships

In memory of Past Directors, the Kings Mutual Insurance Company awards scholarships to students in the Faculty of Agriculture. The Kings County Federation of Agriculture represents the interest of the agricultural community in Kings County and is an active voice for its 395 members with the Nova Scotia Federation of Agriculture, Council of Leaders and provincial and national governments.

Eligibility: Available to students in any technical or undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include financial need, academic performance, and demonstrated interest in a career in the Agri-food industry as reflected by summer employment and/or extra-curricular involvement. This scholarship is not available to students receiving other scholarships of greater value. At least one scholarship will be awarded annually to a technical-level student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

P. Max Kuhn Scholarship

P. Max Kuhn grew up on a small farm in Lawrencetown, Halifax County. He lived from 1887 until 1928 and was the father to Bernard G. Kuhn. Max attended one year of the former NSAC General Course in 1908-1909. He was not able to return the next year because of need for him at home and shortage of funds, it was a great disappointment to him. That year was his only year of formal schooling; his home was so isolated that he was never able to attend grade school or high school, and his mother taught him at home. Max was a dedicated, hard-working farmer, and he made great use of his AC training. He bought his own Manor Hill Farm in 1918, located on Woodlawn Road (Portland Street) just outside what were then the town limits of Dartmouth. He market-gardened and ran a dairy there until his death. It was Bernard's wish to establish this scholarship to recognize his father, Max, give education opportunity to others beyond what his father had, and to "repay Nova Scotia, former NSAC and Canada in small part for the education and support that he received here" (Bernard G. Kuhn).

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture at Dalhousie, with preference given to students who have completed at least one year of study. Applicants must be permanent residents of Nova Scotia, with preference to students from the Halifax Regional Municipality. Awarded to a student with a farm background or those whose course and project work and summer employment demonstrates an interest in working in the agriculture industry after graduation. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Landscape Nova Scotia Award

Landscape Nova Scotia's mission is to promote high standards in product quality, professional service and conduct in the horticultural trades industry; and to encourage the use of Association members by the public. Landscape Nova Scotia has been a voice for the landscape and horticultural industry for more than 20 years in Nova Scotia, and are committed to providing consumers with options to make informed decisions.

Eligibility: Available to students in a landscape-related undergraduate program in the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

C. C. MacDougall Memorial Scholarship

C.C. MacDougal was the first district agriculturist to work with the NB Department of Agriculture in Sussex. The C.C. MacDougall Memorial Scholarship was established in 1958 by a large group of agriculture groups.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture. Awarded to a student pursuing a degree or diploma in Agriculture. The recipient must have been a 4-H member from Kings County, New Brunswick, or have parents who raise or breed Guernseys anywhere in New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$250

Dr. Allan and Barbara MacKay Scholarship

Born in Heathbell, Pictou County, Nova Scotia, Dr. Allan MacKay received his early agricultural experience on the Spruce Grove Farm that had the distinction of having one of the first purebred Guernsey herds in Canada. He was a member of the Scotsburn Junior Dairy Calf Club and represented his province in the National competitions for club members at the Royal Winter Fair in Toronto in 1941. Dr. MacKay received his primary education at Heathbell School and his secondary education at Pictou Academy. He graduated from former N.S.A.C. in 1943 and obtained his Doctor of Veterinary Medicine from the Ontario Veterinary College in 1951. That same year he established a veterinary practice in Pictou County and continued his work until his retirement in 1991. Dr. MacKay is honoured for his program of animal health care, for his philosophy of preventing disease problems before they occur and his dedication to farm families in the area he served. Eligibility: Awarded to a student with strong academic performance from the Faculty of Agriculture who plans to study veterinary medicine at the Atlantic Veterinary College.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Angus and Tena MacLellan Memorial Scholarship

The Angus and Tena MacLellan Memorial Scholarship was established by both Tena and Angus' estate. Angus and Tena were avid farmers in Cloverville, Antigonish County.

Eligibility: Available to students entering third or fourth year of an undergraduate degree program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$250

Paul R. MacPhail PEI Potato Industry Scholarship

The roots of the Prince Edward Island Potato Board can be traced as far back as 1920, when the first Potato Growers' Association was formed on Prince Edward Island. A true marketing board followed in 1950 and was restructured as a producer controlled board under the Natural Products Marketing Act in 1990. The PEI Potato Board established this award in memory of Paul R. MacPhail.

Eligibility: Awarded to a PEI student studying at the technical or undergraduate level of an agricultural program. The recipient will demonstrate an interest in working in the potato industry through course work, research projects related to potato production and utilization (including all disciplines, e.g. pathology, biotechnology, entomology, etc). Awarded based on academic performance and the project's relevance to the improvement of the potato industry.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Edith Main Memorial Bursary

The NSVMA has created the Edith Main Memorial Bursary in her memory. Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected.

Eligibility: Awarded to a Nova Scotia student in the second year or higher of a diploma or degree at the Faculty of Agriculture who intends to pursue a career in veterinary medicine.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Joseph E. Mapplebeck Memorial Bursaries

In honour of Joseph E. Mapplebeck, who farmed for 50 years in Kings County, Nova Scotia, and in recognition of his appreciation for the importance of a good education, family members have established two bursaries.

Eligibility: Available to current second year technology students at the Faculty of Agriculture in good academic standing who demonstrate financial need. One of the two awards will be made available annually to a student in the Plant Science Technician program.

Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Bill Mathewson Memorial Award

Bill Mathewson grew up on a hill sheep farm in Sma Glen, Scotland. He graduated with a BSc (Agriculture) in 1949 and later (1974) a MSc. both from Aberdeen University. On graduation 1949, he joined H.M. Overseas Civil Service. After further training in Cambridge and Trinidad, he was posted to Tanganyika, Africa where he worked for 14 years. On retirement in 1965, he worked for three years with the N.F.U. of Scotland in Edinburgh before immigrating with his family to Nova Scotia in 1968. He taught for 20 years at the Faculty of Agriculture. Bill retired in 1988 and was honored by his colleagues by being made Professor Emeritus. Much loved by students, faculty and the agricultural industry, Bill will be greatly missed. It is with his memory in mind, that Bill's friends and colleagues at the AC launched an award in his name.

Eligibility: Available to any student registered in any program at the Faculty of Agriculture participating in an international experience. In applying for consideration, students will submit a proposal to participate in such activities as a study semester abroad toward their degree/diploma, attendance at a conference to make a presentation, a specialized training course or an internship or development project.

Application Type: Contact awards@dal.ca for more information
Value: \$1,000

Donald McInnes Award

Established in 1904, Pictou Mutual Insurance Company is the oldest mutual insurance company in Nova Scotia. Initially established by a group of farmers who sought to provide local protection for each other in the event of loss, their company has grown to include more than 3,500 local and rural policyholders. Donald McInnes was born in 1933 on the original McInnes farm on Scotch Hill Road. A graduate of Pictou Academy high school, he attended the AC, graduating in 1955. As a shareholder of Scotsburn Co-op, Donald served as Director for 22 years and Chairman of the Board for 15 years. For 35 years Donald was active in the Pictou County Farmers Mutual Fire Insurance Company. Donald served first as an agent, then as a director and manager of the company. Due to Donald's sincere involvement with both the

community and Pictou Mutual Insurance Company, an award has been created in his name which is funded by Pictou Mutual Insurance.

Eligibility: Available to a student enrolled at the Faculty of Agriculture. Selection criteria include commitment to and involvement in the community and leadership provided in student activities, academic performance and financial need. A student may not be selected for this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. A. L. McLaughlin Memorial Scholarship

The H.A.L. McLaughlin Memorial Scholarship was established in memory of H.A.L. McLaughlin who taught horticultural at the Agricultural Campus from 1953 to 1971.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Karen Meek Memorial Scholarship

Karen was born March 28, 1962 and grew up on the family farm in Canning, Nova Scotia. She attended local schools and graduated from Cornwallis District High School in 1980. Karen was an avid participant in school sports, 4H, horseback riding, ringette, her motorbike, and living life to its fullest. Following in her father's footsteps (Eric Meek – class of 1954) she attended and graduated from former NSAC in 1982 with a Diploma in Ag Business, Karen participated in many campus activities but the Woodsmen Team was always her favorite. She developed many close friendships in her years in Truro. The Karen Meek Memorial Scholarship was established so that Karen's memory could live on.

Eligibility: Available to current students in the Bachelor of Science (Agriculture) Environmental Sciences program. Selection criteria include academic performance, financial need and contribution to campus life. This scholarship is not available to students receiving other awards over \$1,000.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

John Miller Memorial Award

Since 1983 John Miller assisted the hog industry by coordinating and providing programs that greatly improved the industry as secretary/manager of Pork Nova Scotia. John spent countless hours educating producers and others of the cost efficient and productive way to raise and market hogs. He often spoke at the Faculty of Agriculture to students in the hog production course on the strengths of the industry. To show appreciation of this dedication, the producers and friends of Pork, NS provide an award in memory of John.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Awarded to a student whose course and project work and career plans reflect an interest in the hog industry or whose application shows interest, understanding, and appreciation for Nova Scotia's hog industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

T. Beverly Milligan Gale Memorial Scholarship

The T. Beverley Milligan Gale Memorial Bursary was established in 2010 by Bev's husband, Bob, in recognition of her spirit and love of the gardens at the Faculty of Agriculture.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to mature students.

Selection criteria include career plans, academic performance and financial need, with preference to a student interested in landscape design and care.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Reginald (Reg) Moore Memorial Scholarships

Reg Moore was born in Economy Nova Scotia on August 25, 1917; the fifth of six children. He was educated in Economy and Bass River graduating in 1935. Reg then enrolled in Normal (Teachers) College in Truro. He taught in various locations in Nova Scotia until called up for service in the Royal Canadian Air Force in 1940. Reg served as a staff pilot and as a Coastal Command pilot in Canada and the United Kingdom. Returning to Canada in 1945 Reg enrolled in the Nova Scotia Agricultural College (now the Faculty of Agriculture, Dalhousie University). He graduated from the former NSAC in 1947. Reg spent his entire post war career at the FCC. First as a Credit Advisor, then as Branch Manager for Nova Scotia. In 1960 he was transferred to Saint John, New Brunswick as Executive Assistant to the Regional Manager Atlantic. By 1962 Reg had tired of doing office work and transfers (four in three years) so requested a transfer to field duties where he would have day to day contact with farmers. He was assigned to the Sussex, NB Office where he completed his career, retiring in 1981.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in a full-time capacity. Applicants must be permanent residents of Colchester County, Nova Scotia and will have completed at least one year of study. Selection will be based on financial need and a cumulative average of at least 3.00.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

A. C. Neish Memorial Trust Scholarship

Dr. Neish (1916-1973) was an undergraduate at the former Nova Scotia Agricultural College in Truro. This is where he had his first contact with science and where he had won the Governor General's Medal and a Macdonald College (Quebec) Scholarship. His work on fermentation, bacterial and plant metabolism and the biosynthesis of plant polysaccharides and lignins received international acclaim. He was a Fellow of the Chemical Institute of Canada, of the Royal Society of Canada, and the Royal Society of London. Dr. Neish was the first person to be awarded the Gold Medal of the Canadian Society of Plant Physiologists, and was awarded an honorary doctorate by Mount Allison University and an honorary Doctor of Science degree by McGill University. The A.C. Neish Memorial Trust Scholarship was established by friends, admirers, and colleagues of the late Arthur Charles Neish.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Selection criteria include high academic performance and qualities of leadership as indicated by participation and achievement in both academic and non-academic activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Newfoundland and Labrador Federation of Agriculture Scholarships

To encourage local students to pursue careers in the agri-products industry, the Newfoundland and Labrador Federation of Agriculture awards two scholarships to students entering studies at the Faculty of Agriculture.

Eligibility: Available to students entering any undergraduate program in the Faculty of Agriculture directly from high school. Applicants must be permanent residents of Newfoundland and Labrador (preferably one student from the east coast and another from the west coast). Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia 4-H Council Award

4-H is a youth development organization which promotes leadership, encourages the care and responsibility of resources, and builds positive life skills to secure a sustainable future for Nova Scotia. The 4-H Council has been active for over 100 years in Canada. It is comprised of 2,400 members, 900 leaders and 100 clubs in Nova Scotia. More than 80 countries worldwide have 4-H clubs. The purpose of the 4-H program is to prepare young girls and boys for their future as adult citizens. 4-H stands for head, heart, hands, and health and the motto is to "learn to do by doing."

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include academic performance, financial need and participation in 4-H club activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Nova Scotia Animal Breeders Co-operative Limited Awards

The Nova Scotia Animal Breeders (NSAB) Co-op Limited specializes in an array of different cow options for their consumers. They offer products and supplies for cow farmers, and a multitude of service options. Some of the services offered are: artificial insemination, computer assisted herd mating, young sire program (Holstein), direct sales-owner breeders, and A.I. Sires.

Eligibility: Available to current students in the 2nd year of the BSc (Agriculture) with a major or minor in Animal Science or the 2nd year of a diploma with specialty in Dairy Farming or Agriculture. Recipients must have attended high school in Nova Scotia and demonstrate an interest in the dairy or beef industry through their farm backgrounds, course, and/or project work.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Nova Scotia Federation of Agriculture Scholarship

Since 1895, the Nova Scotia Federation of Agriculture has represented the interests of Nova Scotia's agricultural community. Today its members account for well over 90% of all agricultural production in Nova Scotia. With an organizational structure that includes representation from 13 county and regional federations and 27 recognized agricultural commodity groups, the Federation brings together over 2,400 individual farm businesses representing all aspects of primary agriculture in the province.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia with farm or 4-H backgrounds. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 2 @ \$500

Nova Scotia Federation of Agriculture 100th Anniversary Scholarship

In recognition of the 100th Anniversary of the Nova Scotia Federation of Agriculture in 1995.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture who are permanent residents of Nova Scotia with a farm background, financial need, and good academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia Institute of Agrologists Scholarships

Founded in 1953, the Nova Scotia Institute of Agrologists is the provincial organization authorized under the Agrologists Act to govern the professional conduct of its members, in support of the public interest. Persons who hold themselves out to be a professional agrologist must be registered with NSIA under the Act.

Eligibility: One will be awarded to a student entering their third year of the BSc(Agr) program and the second, recognizing the current anniversary of NSIA, to a student entering their second, third or fourth year of the BSc(Agr) program. Students must be from Nova Scotia and will be selected based on academic performance, participation in school and community activities, degree of interest in agrology, career plans in the Agri-food industry, and financial need.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: 2 @ \$1,000

Novartis Award

Novartis is one of the world's leading healthcare companies, Novartis' dedication to scientific research, imagination, and new technologies has led to the creation of thousands of ground-breaking products and services in the areas of pharmaceuticals, nutrition, eye-care, and animal health.

Eligibility: Presented to the top all-round student graduating from the Veterinary Technology program who has particularly excelled in the area of parasitology.

Application Type: Automatic Consideration – No Application Required

Donald Palfrey Award

The Don Palfrey Award was established in memory of Don Palfrey in recognition of his many years of service and contributions to weed science in Nova Scotia. Don was born in Fort Fairfield, Maine. He received his formal education in Pictou County and he graduated from the AC in Truro, Nova Scotia and from McGill University in Montreal, Quebec with a Bachelor of Science in Plant Pathology. He worked for the N.S. Department of Agriculture in Marketing for 37 years, retiring as Supervisor of Weed Science, where he was a key player and helping in pioneering work in extension and research in weed control in Nova Scotia. Don also taught at the AC for 18

years, teaching courses in Weed Control and Plant Pathology. He was a distinguished life member of the N.S. Institute of Agrologists and the first honorary life member of the Atlantic Vegetation Management Association. As a result of Don Palfrey's sincere commitment to the Department of Agriculture and his field of interest, an award has been created to honor his memory and legacy.

Eligibility: Awarded to a final year undergraduate student carrying out a research project in the area of pest management, with preference to a student involved in weed science, either through academic work or summer employment.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert Parent Memorial Scholarship

The Robert Parent Memorial Scholarship was created in memory of Robert Parent who attended the Agricultural Campus and graduated in 1921. His wife, Laura E. Daisy Parent, left in their estate, wishes to establish a scholarship in his memory.

Eligibility: Available to an outstanding current student in any undergraduate program in the Faculty of Agriculture who has not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

Passionate Plants Person Award

In 1976, with two passionate plants men – the late Don Craig and the late Captain Richard Steele – as founding members, they began as RSCAR, the Rhododendron Society of Canada Atlantic Region. They were one of three regions, the other two being Niagara and Toronto. When Niagara and Toronto decided to join the American Rhododendron Society in the 1980s and RSC ceased being its own organization, the three regions – Atlantic, Niagara, and Toronto – became the 3 chapters in District 12 of the ARS. In 2003, they formed the Atlantic Rhododendron & Horticulture Society, to reflect the diversity of plant interests among local gardeners and plants people, while maintaining a central interest in rhododendrons and other ericaceous plants. They are a non-profit society registered in Nova Scotia.

Eligibility: Available to students entering second year of the Environmental Horticulture diploma program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Preference is given to students whose passion for plants is infectious and will most impact the way we regard and understand plants in both public and private environments. The student should also demonstrate leadership abilities and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750 and 1-yr membership with ARHS

Pork Nova Scotia Scholarship

Pork Nova Scotia is the marketing agent for hogs in Nova Scotia. Their mandate is to create the most favorable environment possible for the production and marketing of pork in Nova Scotia to assist in maximizing returns for Nova Scotia producers. PNS has an active and organized structure that has become the recognized voice of the Pork Industry in Nova Scotia. It is organized into 3 geographical zones, representing pork producers who account for 100% of Nova Scotia's pork production.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Awarded to a student with an interest and/or background in swine production. Selection criteria include demonstrated interest in the swine industry (through course or project work), academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$350

Prince Edward Island Institute of Agrologists Scholarship

The P.E.I.I.A is made up of agricultural professionals who are at the leading edge of the agri-food industry. Institute members are researchers, educators, extension specialists, primary producers and administrators of agricultural programs and policies.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Prince Edward Island. Selection criteria include academic performance, school and community involvement, financial need, and a career goal of becoming an agrologist.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stuart Rath Junior A Bearcat Hockey Education Award Fund

The Stuart Rath Truro Bearcat Education Awards have been established to encourage the pursuit of university education among players with the Truro Junior A Bearcat Hockey Team ("The Bearcats") by providing tuition support for players enrolled at Dalhousie University. Stuart Rath, a very involved community member of Colchester County and surrounding area, established The Bearcat Hockey Education Award. Some of Stuarts endeavors are as follows: he serves as the Vice President of Truro Centre Ltd, and the President of Stuco Holdings Ltd. From 1985-1995 Stuart served as the President of Halifax Cablevision Ltd, from 1976-1985 he served as the President and General Manager of Eastern Cablevision, and from 1960-1975 he was the Chairman of the Truro Industrial Society. A few of Stuarts other accomplishments are being Director of Nova Scotia Business Inc. since March 2007, Director of Morien Resources Corp since December 1997, as well as serving as Director of Stuco Holdings Ltd. and Director of Erdene Resource Development Corporation since June 2006 until November 2012.

Eligibility: Available to entering or current technical and undergraduate students at the Faculty of Agriculture. Selection is based on academic performance and the recommendation of the team coaches.

Application Type: Automatic Consideration – No Application Required

Cliff and Grace Retson Memorial Scholarship

The Grace and Cliff Retson Memorial Bursary was first created by Grace in memory of her husband, Cliff Retson who graduated from the AC in 1934. Cliff passed away in 1997. Grace was born in Waskada, Manitoba and grew up in Kerrobert, Saskatchewan. She attended secretarial school in Saskatoon and after retiring, she received her Bachelor of Arts from St. Mary's University. Grace met Cliff, her husband of 56 years, while she was working at the Senate in Ottawa. They married on July 26, 1941 and moved to Truro in 1947. The Retson's (Grace & Cliff) hosted several international students studying at the Faculty of Agriculture over the years. It is for this reason and to ensure ongoing support of the educational interests of International students studying at Dal-AC, that Grace created the scholarship.

Eligibility: Available to international students in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, and interest in and involvement in multi-cultural activities on campus.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

Ira L. Rhodenizer Memorial Scholarship

Ira Rhodenizer was born in 1890 in Parkdale, Lunenburg County, Nova Scotia and lived there for the majority of his life. He served in the Canadian Army from 1914 to 1919 and was wounded overseas during World War I. He later became a farmer, storekeeper, and lumberman in Parkdale, NS. He was greatly interested in community life and was associated with farmer's organizations for many years. He was married and had seven children. He was a member of the Baptist Church, the I.O.O.F. and Masons. Ira was active in Nova Scotia Guides and Fish and Game Associations, had been a municipal counsellor and President of the Lunenburg Centre Liberal Association. He was a Director of the Nova Scotia Federation of Agriculture and was killed in a car accident on the way to a meeting of this organization in August 1958. The Ira L. Rhodenizer Memorial Scholarship was provided by the Federation as a memorial for his dedication and contributions through the years.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Selection criteria include academic performance, involvement in student affairs, and participation in the 4-H program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dr. Robert G. Rix Family Farm Scholarship

Robert (Bob) Rix was born in Halifax on July 29th, 1948. Robert graduated from Dalhousie University Dental School in 1974. He practiced in Musquodoboit Harbour, Tatamagouche, and Winsloe, PEI, prior to opening his own dental practice in Bible Hill. He took great interest in his profession and knew the family trees of most of his patients and will be fondly remembered by everyone for his excellent dentistry, story-telling, knowledge of American History, love of gardening, tinkering with mechanical items, love of nature and his family. Robert had originally established the "Robert G. Rix Family Farm Bursary" in 1985. Although not having a farm background himself, he shared his beliefs that everyone's roots are in the land and he felt his way to contribute to the importance of agriculture to our society was through this small bursary each year. A couple years ago, the award became known as the "Dr. Robert G. Rix Scholarship" to allow support to a student where the need was greatest. After Robert's passing, one of the faculty provided funds to continue the bursary in Robert's name. Since then, Robert's family has graciously supported the scholarship to allow his legacy and memory to live on.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who has shown determination and dedication to operating a family farm.

Recipients will have demonstrated financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

J. Arnold Roberts Memorial Scholarship

The J. Arnold Roberts Memorial Scholarship was created by Elsie Roberts in memory of her husband, Arnold Roberts. Establishing a scholarship in memory of a loved one is a wonderful way to ensure their legacy and memory lives on, and this is what Elsie wished for her late husband.

Eligibility: Available to current students in any year of an undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces. Awarded to an outstanding student who is not receiving a scholarship of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ted Rose Memorial Scholarship

The Ted Rose Memorial Scholarship was created by Mrs. Ann M. Rose in memory of her husband, Ted. Ted had grown up on a dairy farm in Urbania, near Shubenacadie. Ted and his brother Percy ran the farm after the death of their father. Although no one from the family had any connection to the AC, Mrs. Rose had a soft spot for farming, admitting there can be "nothing as rewarding as farming." Rose wanted to provide a scholarship to a deserving young person who is interested in farming themselves someday, while honoring her husband's memory.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded to a student who plans to operate a livestock farm. Selection criteria include financial need, academic performance and a documented commitment to animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Rotary Club of Truro International Student Bursary

The Rotary Club of Truro has been part of the fabric of the community of Truro as well as the network of Rotary Clubs around the world since 1926. The Rotary Club of Truro is proud of its years of service and benevolence in the community and internationally. In addition to providing assistance to countless individuals with special needs for medical treatment or equipment over the years, the Club has continued to focus on the needs of children with disabilities.

Eligibility: Available to a current international student at the Faculty of Agriculture. Preference will be given to students registered in a program of study and registered full time, with additional preference given to students studying for the full year. Special consideration will be given to students who came from a developing country and plan to return and apply their education there. All students paying the international tuition differential are eligible for consideration. Selection criteria include financial need and potential impact of the bursary on the student's lifestyle while at school and their future plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Rick Russell Memorial Scholarship

Rick Russell passed away Saturday, July 3rd, 2004 after a courageous battle with cancer. After graduating from NSAC, Rick was employed at the College as the swine herdsman for 20 years and then as manager of the fur unit for 4 years. Rick was the coach of the former NSAC Woodsmen Team for 24 years. He was well respected by both his peers and the athletes he coached. He was always giving of himself and was recognized for his unselfish devotion to the college community by the AC Student population by being given the Student Appreciation Award in 1995. Due to his sincere commitment to NSAC and his community, a scholarship has been created in his memory.

Eligibility: Available to current student athletes in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, involvement and leadership in the Woodsmen program, and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Jack Sibley Agriculture Bursary

This award was established by the John & Judy Bragg Foundation to honour John D (Jack) Sibley. Jack was born in 1937 at Meaghers Grant in Nova Scotia's

Musquodoboit Valley and graduated from Musquodoboit Rural High School in 1954. After receiving a BA from Mount Allison University in 1957 he attended the Nova Scotia Agricultural College and is an alumnus of the Class of 1959. He began his working career as a teacher and then moved on to work for several years as a field manager for McCain Foods. In 1965 he returned to Nova Scotia and spent the next 29 years as a wild blueberry extension specialist with the Department of Agriculture and Marketing. In 1994 he retired from this position and in 1997 began work with WBANA Canada in wild blueberry promotion, retiring in 2011 after a total of 44 years of service to the wild blueberry industry. Jack had a number of part-time careers which included operating his own wild blueberry acreage, working as a musician and MC, and teaching old-time fiddling to children from the Truro area.

Eligibility: Awarded to a full-time technical or undergraduate student at the Faculty of Agriculture who demonstrates financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sodhi Memorial Bursary

This bursary was established by the Sodhi family in memory of Mr. Bhagat S. Sodhi, long-time librarian at the former Nova Scotia Agricultural College. Mr. Sodhi immigrated to Canada in the 1960's, in search of opportunity for his future family. After meeting and bringing his wife Darshan to Canada, they settled in Truro, NS, and began their family. Mr. Sodhi began working at the former Agricultural College in 1968, when the campus library was housed in Cox Institute. He was instrumental in moving the library to its current location at the MacRae Library, acting as head librarian until 1995. Mr. Sodhi considered the library staff as a second family. As a tribute to his memory, the Sodhi Family established an award in his name upon his passing on June 1st, 2009.

Eligibility: Available to current international students at the Faculty of Agriculture in good academic standing, with preference given to students in undergraduate and technical programs based on financial need. Students in all programs of study are eligible.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sport Leadership Award

The Sport Leadership Award recognizes a high school varsity athlete enrolling full time in a program of study and planning on participating in a sport at the varsity level at the Faculty of Agriculture.

Eligibility: Available to entering technical or undergraduate students at the Faculty of Agriculture with an admissions average of at least 75%. Recipients of other major entrance scholarships are not eligible. Selection criteria include financial need, sport skills and leadership.

Application Type: Automatic Consideration – No Application Required

Phillip Stead Memorial Leadership Award

Phillip Stead graduated from the former Nova Scotia Agricultural College in 1965 with a degree certificate. He left Nova Scotia to complete his BSc. in Animal Science at McGill University and returned in 1967 to begin what was to be a long and successful career with the Nova Scotia Department of Agriculture, working as a sheep specialist with the Animal Industry Branch. In 1972 Phil continued his education by completing a MSc. in Agriculture and Nutrition at Virginia Polytechnic Institute and State University. For his passion for community involvement and his long standing contributions to Agriculture, a memorial award has been created in his name.

Eligibility: An award will be presented annually to a student who has exhibited outstanding leadership at the Faculty of Agriculture and/or within the community.

Nominations for the award will be received by a committee representing the Student Leadership program at the Faculty of Agriculture and a member of the sponsoring body for the award (Nova Scotia/Newfoundland Holstein Branch). The committee will select an awardee from those nominated who best represents the leadership qualities and performance in the past year or number of years that would be a model for others. Selection criteria may also include academic performance, financial need, and the other awards that have been granted to the nominee.

Application Type: Contact the Faculty for more information

Captain R. M. Steele Memorial Fellowship

Captain Richard Steele was a founding member of the Atlantic Chapter of the Rhododendron Society of Canada (RSCAR) and supported the creation of the Atlantic Rhododendron & Horticultural Society. He faithfully attended, and contributed to, meetings and programs. A mentor and friend to many, and with an international network of plants people, he was a major influence on horticulture, locally and further afield. RSCAR members in the early days established the tradition of the annual Steele Lecture, the objective being to bring a top-ranking plants person to Nova Scotia as a guest speaker. Captain Steele died March 14th 2010.

Eligibility: Awarded to a final year undergraduate student in the Faculty of Agriculture who intends to pursue plant-related studies at the graduate level.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stewiacke Valley Garden Club Scholarship

Stewiacke Valley is located in the Southern area of Colchester County. The Stewiacke Valley Garden Club is involved in the beautification of the Valley, as the Club is a part of the Nova Scotia Association of Garden Clubs which promote the general landscape beautification of the province. The Club hosts a multitude of events, such as speakers on Horticulture, etc., bake sale events, plant sale events, and more.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicant must be from the Stewiacke Valley area of Nova Scotia.

Selection criteria include involvement in extra-curricular and community affairs, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

William D. Swetnam Memorial Award

Raised in Port Mouton and Liverpool, NS, William (Bill) Swetnam, graduated from the former Nova Scotia Agricultural College in 1956. Bill discovered what he was destined to do when he purchased a farm in Sheffield Mills, NS in 1958. Throughout his career, Bill dedicated countless hours to many boards. As a founder of the Nova Scotia Turkey Marketing Board he also spent time on the County South and East Livestock Health Services Board, the NS Crop and Livestock Insurance Commission, Canadian Livestock Feed Board Advisors Committee, as well as Nova Scotia Farm Loan Board. Bill also served as president of the Kings County Federation of Agriculture and became a member of the Council of Leaders with the Federation. Bill's dedication to his community has not gone unnoticed. In 2002 he was honored by the Queen with the Golden Jubilee Medal. Bill has truly distinguished himself in his area of expertise, bringing honour to the former NSAC and the Alumni Association. It is for this reason, an award has been created in his memory.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program who have displayed leadership qualities during their program. Applicants must be permanent residents of one of the Atlantic provinces.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Syngenta Canada Inc. Awards

Syngenta is one of the world's leading companies with more than 28,000 employees in some 90 countries dedicated to their purpose: Bringing plant potential to life. Syngenta's mission is to make a difference for smallholders in developing countries. By helping them become more professional growers, they want to achieve added value for rural communities. One way they do that is through technical innovation. Equally important is access to markets, enabling smallholders both to buy inputs and sell their produce. These and other factors are all essential for sustainability successful agriculture.

Eligibility: Available to a technical or undergraduate student in any program in the Faculty of Agriculture. Awarded to students whose course and project work reflect an interest in the Maritime potato industry. Applicants will be required to submit a 300-500 word essay expressing opinion on a topic relating to the crop protection industry. Selection criteria include academic performance, and potato farm experience or background.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bruce Trenholm/Atlantic '86 Scholarship

Bruce was born on the family farm in Grand Pre, Kings County, he graduated from the former Nova Scotia Agricultural College and MacDonald College, receiving his Bachelor of Science Degree in Animal Husbandry in 1947. Upon graduating from McDonald College he served as the Agricultural Representative in Yarmouth and then taught Animal Husbandry at the former Nova Scotia Agricultural College for three years. In 1952 he took over the family farm going on to establish the well-known Brulo herd. Bruce's contributions to agriculture have been many and varied and are worthy of recognition in the Atlantic Agricultural Hall of Fame. He had a lifelong interest in Holstein cattle and was Master Breeder and Past President of Holstein Canada. In 1986, the year of Bruce's death, he coordinated Atlantic '86 – the Annual National Convention of Holstein Canada. This scholarship was established in his name as an on-going memorial.

Eligibility: Available to students entering their final year in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces, have a Holstein farm or 4-H (Holstein calf project) background. Selection criteria include academic performance and career goals.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

University Medal in Environmental Landscape Horticulture

Awarded to the graduating Environmental Landscape Horticulture student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Sciences

Awarded to the graduating Environmental Sciences student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Florence (Pineo) Ward Memorial Award

The Florence (Pineo) Ward Memorial Award was established by James Pineo in memory of his late sister, Florence. James wanted to leave a legacy behind for his sister, and help support the academic efforts of agricultural students, such as his niece Lisa (Orlando) Gowan, a BSc(Agr) Agricultural Chemistry graduate.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture.

Preference will be given to students from Boutilier's Point, Halifax County, and Advocate, Cumberland County. Awarded to students in financial need. Preference will be given to students with sound academic background who have come to the Faculty of Agriculture for technical training to enhance their employability but financial constraints are limiting their ability to continue their studies.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Raymond Webber Memorial Scholarship

Ray was born and raised in Halifax, Nova Scotia. Upon completion of High School, Ray took a business course and worked in an office for the next five years. This soon became boring so Ray entered the "Nova Scotia Agricultural College" (now known as the Faculty of Agriculture) in Truro in 1928. After completing his studies at Truro, he attended MacDonald University in Montreal where in 1931 he received a Bachelor of Science Degree in Agriculture. After graduation, Ray went to work for Canada Agriculture in the Plant Protection Branch in Halifax in an administrative capacity. Due to Ray's sincere dedication and commitment to Landscape Atlantic, a memorial scholarship has been established in his name to ensure his legacy lives on long into the future.

Eligibility: Available to students entering second year of the Diploma in Technology (Managed Landscapes) program at the Faculty of Agriculture. Selection criteria include academic performance and practical skills.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$800

Michael Whidden Memorial Award

Awarded to a student who has provided leadership on the Faculty of Agriculture's Woodsmen Team, and has maintained a sound academic performance.

Eligibility: Available to current technical and undergraduate students at the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Eric Williams Memorial Scholarships

Born in 1938 Eric P. Williams started farming in 1959 with nine cows and twenty acres. Today the Williams' family own and operate a two hundred head Holstein dairy farm in the Goulds and employ a nephew and one other worker. Eric worked hard to introduce supply management for milk producers in Newfoundland. In 1983 he was appointed the first chair of the Newfoundland Milk Marketing Board now known as the Dairy Farmers of Newfoundland and Labrador. During his lifetime he fought to improve the cost of production formula for milk producers in the province. Eric was also nominated by the Dairy Farmers of Newfoundland and Labrador in recognition of his tremendous contributions to agriculture, to become an inductee into the Atlantic Agricultural Hall of Fame. It is for the same reasons that the Dairy

Farmers of Newfoundland and Labrador have established a scholarship in his memory for his dedication and commitment to agriculture.
Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program in the Faculty of Agriculture.
Applicants must be permanent residents of Newfoundland and Labrador. Selection will be based on academic performance. Typically one award is given to a technical student and the other to an degree-seeking student.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Zhuhui Ye Memorial Award

This fund was established by classmates of Zhuhui Ye (Kevin) to honour his memory. Kevin attended the former Nova Scotia Agricultural College as part of the FAFU 2+2 program, earning his BSc(Agr) in Aquaculture in 2012. Kevin continued his studies with the Dalhousie MSc. program. On September 8, 2012, Kevin lost his life in a drowning accident at Dollar Lake Provincial Park. Kevin is well remembered as an intelligent, popular, and outgoing man whose generosity touched the lives of many friends. The intent of the Zhuhui Ye Memorial Award is to further the understanding of culture and relationship between Chinese and Canadian students by supporting the FAFU/DAC 2+2 program.
Eligibility: Award to a Chinese student in the FAFU 2+2 program or another student demonstrating a commitment to and involvement with the FAFU 2+2 program at the Faculty of Agriculture, in addition to academic performance and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadlines
Value: \$500

Plant and Animal Science

Faculty of Agriculture Alumni Family Scholarships

In celebration of the fact that many students at the Faculty of Agriculture are family members of AC Alumni, the Alumni Association decided to establish a Family Bursary for the first time in 2008. There are several bursaries available for family members of Alumni attending the Faculty of Agriculture.
Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded based on academic performance and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500 - \$1,000

Faculty of Agriculture Athletic Bursaries

Awarded to returning student varsity athletes.
Eligibility: Available to current student varsity athletes in any undergraduate program in the Faculty of Agriculture. Applicants will have demonstrated financial need, satisfactory academic standing, and be recommended for the award by a coach.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Faculty of Agriculture Bursaries

The Faculty of Agriculture has established a fund which will provide bursaries to assist students in need of financial assistance. Students in need of financial assistance can apply for a bursary on an ongoing basis throughout the academic year.
Eligibility: Available to current students at the Faculty of Agriculture who have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline

Animal Nutrition Association of Canada (Atlantic Division) Scholarship

The Animal Nutrition Association of Canada (Atlantic) Scholarship was established in 1989 for a student who successfully completes their second year of B.Sc. (Agr.) program. The Animal Nutrition Association of Canada (ANAC) is the national trade association of the livestock and poultry feed industry. The 170 members include feed and ingredient manufacturers and distributors, as well as suppliers of a wide range of goods and services to the feed industry. Taken together, ANAC's membership represents 90 percent of commercial feed manufactured in Canada.
Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program who have demonstrated leadership in student and community affairs, strong academic performance, and who are not receiving other scholarships of higher value.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Ralph H. Armstrong Memorial Award

Established in memory of Ralph Armstrong of North Kingston, Kings Co., Nova Scotia. Ralph was well known for his breeding of dual-purpose Shorthorns and marketing of livestock. His prize Shorthorns had been exhibited under the Brookmont Farms name for more than 30 years at Exhibitions throughout Nova Scotia, the Royal Winter Fair in Toronto, and in the 1980 World Shorthorn congress in Calgary. Mr. Armstrong was an honoured member, Secretary and Past President of the Nova Scotia Shorthorn Association, Vice President of the Annapolis County Exhibition, Past Director of the Atlantic Winter Fair and Past Director of the Maritime Shorthorn Association.
Eligibility: Available to former or current 4-H club members from Kings or Annapolis Counties in Nova Scotia who have completed their first year of study in any undergraduate program at the Faculty of Agriculture. Selection is based on financial need and involvement in school, athletic and/or community organizations.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$400

Associate Dean's Scholarship

Established by the Faculty of Agriculture and has built on a proud history of industry-leading education and research.
Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program. Awarded based on academic merit.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Atlantic Council of Crop Life Canada Awards

CropLife Canada is the trade association representing the manufacturers, developers and distributors of plant science technologies, including pest control products and plant biotechnology, for use in agriculture, urban and public health settings. They strive to ensure that the benefits of plant science innovations can be enjoyed by both farmers and consumers. CropLife Canada promotes sustainable agricultural practices and are committed to protecting human health and the environment.

Eligibility: Available to current students in the Diploma of Technology programs in the Faculty of Agriculture. Recipients will be from agricultural backgrounds and plan to pursue employment in the agricultural sector. Preference is given to students whose backgrounds, course and project work, summer employment, and career plans reflect an interest in the crop protection industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Atlantic Fertilizer Council Award

Eligibility: Awarded to a student from Atlantic Canada in the second year of a diploma program related to crop protection. Selection criteria include farm interests, leadership qualities within the University community, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: \$500

Atlantic Poultry Incorporated Scholarship

The Atlantic Poultry Incorporated Scholarship was created in 2012. API (formerly ACA Co-operative Limited) has had many changes over the years. Most recently becoming incorporated in March 2012 and then in 2013 growing the company with the purchase of Clarks Chick Hatchery in New Brunswick and Island Chick Hatchery in Newfoundland.

Eligibility: Awarded to a student enrolled in the BSc(Agr) degree, with preference to a student pursuing an Animal Science major. The recipient will have graduated from a high school in Atlantic Canada, and demonstrate strong academic performance and a career interest in poultry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Atlantic Poultry Conference Award

The Atlantic Poultry Conference is the key meeting place for producers and service providers to gather and discuss and share their news, the Conference is held once per year. Speakers who attend the Conference address a number of topics that cover: ventilation, energy, health, reducing feed costs, transportation, eggs, chickens and turkeys.

Eligibility: Awarded to a student whose course and project work reflect an interest in poultry. Preference will be given to final year students in the BSc(Agr) program who have either completed or have plans to complete a poultry-related research project in RESM 4002 and RESM 4003. This scholarship is awarded in odd years.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Dr. Roger S. Bacon Scholarship in Agriculture

Dr. Roger S. Bacon was a dairy farmer and blueberry producer from Cumberland County, Nova Scotia. He was also a long standing MLA from this area. During his political career, he was a well-respected and long serving Minister of Agriculture and for a time Premier of Nova Scotia. In keeping with his lifetime interest and service to Agriculture, Dr. Bacon has made a donation to establish an endowed fund to support a new scholarship at the Faculty of Agriculture.

Eligibility: Awarded to a Nova Scotia student entering the final year of any program at the Faculty of Agriculture who has plans to pursue a long term career in agriculture. Selection criteria include career plans, academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Doug Bailey Memorial Bursary

Doug Bailey had a lengthy and successful career at Farmers Dairy. It began at what is now known as the Middleton Spreads Plant in 1968 when Twin Cities Dairy acquired J.D. MacKenzie's Limited. Doug held many managerial positions over the years, including General Manager of the Truro Cheese Plant and Vice-President and General Manager of Central Dairies in Newfoundland. He was appointed President and Chief Executive Officer of Farmers Dairy in 1987, a position he held until his death in 1996. One of Doug's greatest strengths was his leadership ability, which he demonstrated not only with Farmers Dairy but also throughout the industry. The Farmers Dairy Board of Directors established this Bursary in memory of Doug.

Eligibility: Awarded to a technical, undergraduate, or graduate student at the Faculty of Agriculture who is a family member of a Farmers Dairy shareholder or employee. Selection criteria include leadership, extracurricular and community activities, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

A. B. Banks Memorial Scholarship

This scholarship is given by friends and family in memory of A.B. Banks, a former Director of Livestock Services Branch, Nova Scotia Department of Agriculture and Marketing. Mr. Banks was highly dedicated to the agricultural industry throughout his 35 year career in Nova Scotia and elsewhere in Atlantic Canada. He was born

and raised in the Annapolis Valley and graduated from the former Nova Scotia Agricultural College and the Ontario Agricultural College. His career included service with the Canada Department of Agriculture, the Newfoundland Department of Agriculture and Forestry and the Nova Scotia Department of Agriculture and Marketing. As one of the first agricultural representative in Nova Scotia, he served the counties of Colchester, Halifax, and Cumberland. He was a strong advocate of improved farm management skills and believed this to be an important key to improving agricultural production.

Eligibility: Awarded to the second year BSc(Agr) Animal Science student with the highest average from the first year of study.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bible Hill Garden Club Scholarship

The Bible Hill Garden Club, originally referred to as Hillcrest Landscape Club was first organized in January of 1947. The group was created to promote the improvement of home grounds, assist in the beautification of community grounds, local parks and schools. Over the years, the group has gained popularity and has grown from 17 members to over 60, mostly women who range in age of 50-60. The group contributes to the Faculty of Agriculture through help supporting students with the bursary they have created.

Eligibility: Available to current students who are permanent residents of the Truro area, in any undergraduate program at the Faculty of Agriculture, with preference given to students in at least the second year of study in Horticulture, preferably a landscape program. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

David W. Brown Memorial Scholarship

The David W. Brown bursary is an ongoing demonstration of appreciation to the foundation of the David Brown United Limited by Atlantic Poultry Incorporated formerly ACA Cooperative Limited. Initiated in November 25, 1976; the company has continued to fund an annual memorial scholarship.

Eligibility: Available to students who have graduated from a high school in Atlantic Canada and who are entering the second year of a technical program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, an interest in farming, and an interest in the poultry industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Edward Brown Memorial Undergraduate Bursary

The Edward Brown Memorial Undergraduate Scholarship was created in memory of Edward Brown under the estate of his wife, Dorothy Aveleigh Brown. Edward attended the Agricultural Campus and graduated in 1954.

Eligibility: Available to a Bachelor of Science (Agriculture) student, with preference to a student in the fourth year of study from Atlantic Canada.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Merle Cail Memorial Scholarship

The Merle Cail Memorial Scholarship Fund was created by Merle's wife, Faye Cail in memory of Merle's dedication to organic agriculture. Born in Rexton, New Brunswick, Merle was heavily involved in his community. He attended Zion Presbyterian Church, was director of Northumberland Co-operative and Cartier Co-operative, member of the Kent Agriconservation club, Moncton Holstien Association, Kent Farmers Association, Dairy Farmers of NB, and many more. Merle also had a dedicated career as a farmer.

Eligibility: Awarded to a senior undergraduate or graduate student from Atlantic Canada studying in the Faculty of Agriculture whose course and project work reflect an interest in organic agriculture. Selection criteria include academic performance, financial need and commitment to organic agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Vera Caldwell Memorial Bursary

Vera Caldwell was born on June 3rd, 1924 in Hants County. She was a very devoted and involved member of the Newport United Church, serving as a Steward, Sunday School Teacher, and as a Youth Group Leader. Vera taught school for more than 25 years, first beginning in a one-room schoolhouse and ending her career at Brooklyn District Elementary School in 1989. As shown by her achievements, Vera was dedicated to the educational system and being a life-long learner. She was passionate about international education and actively supported education for children from developing nations. Due to her sincere involvement and passion in the educational system, a bursary has been created in her memory.

Eligibility: Awarded based on financial need to full-time technical or undergraduate international students at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Canadian Society of Animal Science Prize

The Canadian Society of Animal Science presents a prize selected on the basis of outstanding scholarship.

Eligibility: Available to students entering fourth year of the Bachelor of Science (Agriculture) program at Dalhousie University. Applicants must be Animal Science or Aquaculture majors.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Canard Conservation Undergraduate Scholarship

Dr. Charles Albert Eaves was born February 21st, 1908 in Liverpool England. Charles immigrated to Canada in March 1926 and in 1932 received his B.Sc. from McGill. In 1933 he attended Cambridge University on an I.O.D.E overseas scholarship before returning to McGill to receive his MSc. degree in 1937. On October 25, 2000, he received an Honorary Doctorate from Dalhousie University and the former Nova Scotia Agricultural College, now Dalhousie Faculty of Agriculture. The Canard Conservation Scholarships were established by Dr. & Mrs. Eaves to provide a graduate and undergraduate scholarship each year for students of Kings County focusing on environmental studies related to agricultural practices with particular reference to dyke land preservation and the general conservation of soil and water

reserves.

Eligibility: Awarded to a student who is a permanent resident of Kings County, Nova Scotia, in the first or second year of the Bachelor of Science (Agriculture) program who is planning course and/or project work related to the environment. Selection criteria include academic performance, demonstrated interest in the environment, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

James Card Memorial Bursaries

James Card was born in Windsor, Nova Scotia on October 12, 1924. He was a life-long farmer in Centre Burlington and was a former West Hants Municipal Councillor and was also a 4-H Club leader. As a part of James estate, three awards have been sponsored in his memory.

Eligibility: Awarded to students in financial need, with preference to international students, who are studying at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 3 @ \$1,000

Chartwells Scholarships

Chartwells is a catering/food service company that specializes in providing services to higher education students. They are committed to providing programs and solutions to students to fit their unique needs and requests. Chartwells understands that a well-balanced diet is integral to an individual's state of mind and long-term happiness. Providing students with a high-quality food service isn't the only commitment Chartwells has made, they also offer multiple scholarships for both graduate and undergraduate programs.

Eligibility: Available to current students with high academic performance in any undergraduate program in the Faculty of Agriculture at Dalhousie who have not received other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gerard Chiasson Memorial Award

Gerard Chiasson was born in 1931 in Margaree Forks, Inverness County, Nova Scotia. Gerard was very involved in outdoors activities, he was a farmer, fisherman and lumberman. He was also very involved in his community, he was a past president of the N.S. Woodlot Owners Association and The N.S. Federation of Agriculture, Inverness County Federation of Agriculture, Margaree Credit Union, Margaree Gasperaux Fisherman Association, and Eastern Dairy Foods Co-op. He was former chief of the Margaree Volunteer Fire Department, former chairman of the Margaree River and Community Protection Community, former member of the board of N.S. Volunteer Planning and was also the president of the N.S. Landowners and Forest Fibre Productions Association. As a result of Gerard Chiasson's sincere commitment and his lifetime of contributions to the Nova Scotia Federation of Agriculture and community organizations, a scholarship has been created in his memory.

Eligibility: Available to upper-year students in any undergraduate program in the Faculty of Agriculture who are residents of Cape Breton (with preference given to those from Inverness County). Selection criteria include financial need, involvement in community activities, and leadership.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Chicken Producers of Nova Scotia Award

Eligibility: Available to current students from Nova Scotia in any undergraduate program in the Faculty of Agriculture at Dalhousie. Applicants will demonstrate interest in pursuing the study of poultry. Preference will be given to applicants with a farming background. Students may not receive this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Class of 1950 Award Fund

The Class of '50 Award was first established in 2000 at the Class of 1950, 50th anniversary weekend celebration. President, Don Young and Vice-President, Jack Johnson spearheaded the campaign to get their classmates involved in their commitment to help future AC students. The group recognizes the difficulty that young students face to finance their post-secondary education, as they too faced similar challenges. After a great deal of preparatory work from Don, Jack and Cliff McIsaac, a proposal was created for the Class of '50 Award fund of to assist deserving students to "stick with it." The group of classmates have made and continue to make significant contributions to the campus and students.

Eligibility: Available to current students in financial need in any technical or undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Colonel Charles Coll Memorial Scholarship

The Colonel Charles Coll Memorial was established in memory of Col. Charles Coll Sr. He was the inventor, owner and president of Muskol Enterprises Limited. He manufactured and sold Muskol insect repellent first from his basement in his Truro, Nova Scotia home and later from his manufacturing plant in Hilden, just outside of Truro. In 1957 Charles concocted a perfume to apply to clothing while deer hunting and later registered a company. The deer lure was used by regular deer hunters, bow hunters, wildlife photographers and naturalists. Charles named the ingredient "Muskol" which derives from musk, an ingredient in the lure and the phonetic last name Coll. Federal and Provincial Departments of Fisheries, Resources, Mines, as well as many sportsmen and outdoors people still continue to use the Muskol Insect Repellent.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) Animal Science program. Selection criteria include academic performance, involvement and interest in poultry, and achievement and contribution to 4-H.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Charles M. Collins Memorial Scholarship

The scholarship is in memory of Charles McKittrick Collins who spent the years 1936-1962 working in various positions in the agricultural industry in Nova Scotia,

including teaching at Dalhousie's Agricultural Campus for twenty-five years. Collins Horticultural Building on the Dal-AC campus is named in his honour as well. Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in the Bachelor of Technology program in Environmental Landscape Horticulture who have not qualified for other significant awards.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,200

George and Lottie Cook Memorial Scholarship

Lottie Cook first developed her passion for agriculture on her family farm on Cape Breton Island. Lottie's parents were pioneers in the agricultural industry, and her father a renowned farmer. At a young age Lottie became involved in 4-H where she achieved some of the club's top honours. She later graduated from the former Nova Scotia Agricultural College and worked as an assistant agricultural representative to J.C.F MacDonnell for many years. In 1943 Lottie married George Cook and the pair later opened a chick hatchery in Truro and became one of the foremost producers of high quality chicks in the Maritime Provinces. After the passing of her husband in 1954, Lottie continued to operate the family business. Due to Lottie's involvement in the agricultural industry and former NSAC community from both herself and family business, a scholarship has been created in her and her husband's name.

Eligibility: Available to students from Nova Scotia in the first or second year of a technical or undergraduate program at the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Co-op Atlantic Scholarships

Co-op has established a scholarship open to employees and dependents of members of Co-op Atlantic. Co-op is an association of volunteer board members who have joined together to create a business that can supply products and services at a fair and reasonable cost. Specifically, Co-op focuses on a shared partnership with the members of the community in which it resides. The most unique attribute of the Co-op is its democratic control. The control is left to the members only, and is not powered strictly by a dollar figure. This allows for farmers and other entrepreneurs to grow and prosper, all while offering goods and services at a low cost to their customers.

Eligibility: Awarded to current first year students at the Faculty of Agriculture based on academic performance, demonstrated leadership ability, extracurricular and community involvement, work experiences, and interest in and understanding of co-operation and co-operatives. Applicants must be employees or dependents of members of Co-op Atlantic.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: \$3,000 (degree) and \$1,000 (diploma)

Renée Covill Scholarships

The Renée Covill Scholarship was established by Dennis Covill and Renée Covill in their estate. Dennis and Renee Covill, immigrated to Canada from England in 1955. Building on his experience working on the development of Colossus, the world's first electronic computer, Dennis went on to establish Nautel Limited in Hacketts Cove, N.S. Under his leadership and expertise, Nautel created the world's first high-powered solid state radio beacon – a technology now used around the world. Nautel, a partner in UNB's wireless research program, designs and manufactures high power solid state radio transmitters for AM and FM radio stations, navigation radio beacons and other applications.

Eligibility: Available to current students from Atlantic Canada studying in the Bachelor of Science (Agriculture) Plant Science or the Bachelor of Technology (Environmental Landscape Horticulture) at the Faculty of Agriculture. Preference will be given to students who have course and project work that reflect a commitment to environmental issues and career interests in growing plants (including farming). Selection criteria are academic performance, financial need, and career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$3,000

Dr. Kenneth Cox Memorial Scholarship

The Dr. Kenneth Cox Scholarship was created by the class of 1964 as a tribute for the retiring Principal of the former Nova Scotia Agricultural College. Dr. Kenneth Cox followed a very distinguished career in the Maritime agricultural industry. His early training was at the former NSAC, now known as the Faculty of Agriculture, where he graduated with the Class of 1921. He continued his studies at the Ontario Agricultural College graduating in 1924 with a Bachelor of Science in Agriculture.

Eligibility: Available to students entering the final year of the Bachelor of Science (Agriculture) program or a diploma program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dorothy Creelman Cox Memorial Scholarship

The Dorothy Creelman Cox Scholarship was created by Dorothy's husband, Kenneth Cox in memory of his wife. Dorothy Cox passed away on December 24th, 1992. She was a retired teacher and a secretary of University Club of Montreal. She was also an active member of the St. Andrews United Church and was mainly involved in choir and Sunday school.

Eligibility: Available to female students entering second year of the Bachelor of Science (Agriculture) Plant Science program. Selection criteria include academic performance and contribution to the university community.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dairy Farmers of Nova Scotia Award

The Dairy Farmers of Nova Scotia organization was created through legislation enacted in 2001, and replaces the former Nova Scotia Dairy Commission. The organization exists under the umbrella of the Natural Products Marketing Council of the Department of Agriculture. The Dairy Farmers of Nova Scotia bursary has been active since 1989 and continues to help support students with their post-secondary education.

Eligibility: Available to a third or fourth year Bachelor of Science (Agriculture) student or a graduate student from Nova Scotia undertaking course or project work related to the dairy industry. Selection criteria include proven interest and experience in the dairy industry, the potential beneficial impact of study on the Nova Scotia dairy industry, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Dartmouth Horticultural Society Scholarships

The Dartmouth Horticultural Society is a gardening club whose aim is to promote, enrich and expand the practice of amateur gardening. Monthly meetings are held where their guest speakers from inside and outside the Society share their knowledge. In addition club experts are available for formal and informal exchange of ideas. Some of the club's activities include a plant sale, a flower show, the planting and maintaining of a raised bed in Leighton Dillman Park, plant exchanges, and garden tours

Eligibility: Available to upper-year students in any plant-related undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to students from the Halifax Regional Municipality, followed by all Nova Scotia residents, followed by residents of other Canadian provinces. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Dalhousie Agricultural Students' Association Awards

Dalhousie Agricultural Students' Association (DASA) is the student association for all students at the Dalhousie Agricultural Campus. DASA is the official voice of the student body, and provides leadership and vision for the students of the Agricultural Campus. DASA promotes student engagement and leadership through various campus activities including Orientation, Shinerama, College Royal and Winter Carnival. DASA also promotes student engagement within the surrounding communities of Truro and Bible Hill. DASA works closely with Student Services and Administration to collectively provide a welcoming community dedicated to higher learning and service to the community.

Eligibility: Awarded to students enrolled in the Faculty of Agriculture who have demonstrated, in the current academic year, exceptional school spirit and involvement in any or all of the following: DASA sponsored events, volunteering, campus community leadership.

Application Type: Automatic Consideration – No Application Required

Value: 2 @ \$300

K. de Geus Memorial Prize for Plant Science

The K de Geus Memorial Prize was created in memory of Klaus de Geus. Klaus, met his wife, Christina "Tina" de Geus, in DeBeemster, The Netherlands. Klaus and Tina immigrated to Canada in 1957 with their three children, Gram, Louise, and Tineke. When they arrived in Canada, they decided to settle in Nova Scotia where they made a new life for their family, including setting up and running a successful flower shop and landscaping business in Bridgetown. Tina took great pleasure in her work as a floral designer. Over the years, she gave many demonstrations on all aspects of floral designing. This led to a career in teaching floral design in the continuing education department of the former Nova Scotia Agricultural College.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture, based on high standing in course work, with preference to students in the Horticultural field.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Eastern Veterinary Technicians Association Bursary

The Eastern AHT Association represents AHTs and similar persons especially those working in the field of veterinary practice in the four Atlantic Provinces. Formed in 1989 it now numbers approximately 55 members including over 20 students enrolled in the AHT program at the Agricultural Campus. The EHTA Bursary is awarded annually to an AHT student entering the third year of the program based upon all-around performance, but with special reference to clinical ability.

Eligibility: Awarded to a student who best demonstrates proficiency in veterinary clinical skills during their first year and externship at the Atlantic Veterinary College as part of the Veterinary Technology program. Students must be in good academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Paul C Eaton Memorial Scholarship

Paul C. Eaton was an alumnus, Class of '48, at the former Nova Scotia Agricultural College. Growing up on a dairy and apple farm, Mr. Eaton understood the importance of agriculture, and devoted his life to this passion. Mr. Eaton spent the majority of his career working in Extension Services on the Agricultural Campus.

Eligibility: Awarded to a full-time student from Atlantic Canada in the second year or higher of the BSc(Agr) program majoring in Environmental Sciences or Plant Science. Recipients must have a background in agriculture or come from a family farm. Selection is made on the basis of academic merit.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$2,500

Ernest L. Eaton Memorial Scholarship

Throughout Mr. Eaton's lifetime he maintained a keen interest in scientific agriculture, and the education and development of the interested young people. He personally established the Ernest L. Eaton Scholarships, and made provision for them to continue in perpetuity. Although none of his children are directly active in farming, they all are interested in, and support, the fine work being done at present at the Agricultural Campus. The hope for the recipient of the Ernest L. Eaton Scholarship is to encourage the pursuit of excellence in both academic and scientific activities.

Eligibility: Available to students entering third year of the Bachelor of Science (Agriculture) program based on performance in second year. Recipient cannot have received another scholarship of higher value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Egg Farmers of Newfoundland and Labrador Scholarship

The Egg Farmers of Newfoundland and Labrador (formerly the Egg Producers of Newfoundland and Labrador) is a commodity board governing the production of eggs.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Newfoundland and Labrador.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Noel Enman Memorial Award

To honor the memory of Noel Enman, a former Agricultural Campus Animal Science Technician-Agricultural Technology student, 1979-1982, the Alumni Association has established a fund for the Noel Enman Memorial Award.

Eligibility: Awarded to a graduating technical student from the Faculty of Agriculture whose personality and fellowship have contributed to student life and activities, thereby gaining the respect of the students and faculty.

Application Type: Automatic Consideration – No Application Required

Faculty of Agriculture Mature Student Bursary

At the Faculty of Agriculture, the student body demographics have shifted dramatically over the past generation. We have increasingly more students transfer from other institutions or begin studies as a visiting or mature student. The 2012 Annual Appeal for the Faculty of Agriculture focused on raising funds for an endowment that would benefit mature students. In addition, alumnus Charles MacQuarrie directed that his planned gift benefit Faculty of Agriculture mature students.

Eligibility: Students enrolled at the Faculty of Agriculture in full-time studies who demonstrate financial need and are mature students (as defined by the Registrar's Office).

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: See dal.ca/scholarships for application deadline

Value: at least \$1,000

Fall River Garden Club Bursary

The Fall River Garden Club's mission is to promote the improvement of home and community flower and vegetable gardens, lawns, trees and landscaping through friendly sharing of information, work and education. During the year they run fund raising events in order to raise money to beautify the neighborhoods. Their main fundraiser is their annual plant sale followed by an area garden tour whereby members open their gardens for viewing to the general public. The monies raised at these events go towards supporting Santa's Express and giving a Bursary to a student at the Agriculture Campus studying horticulture. In addition, the gardens maintained in the surrounding areas are also funded from these events.

Eligibility: Available to a first year student in a Horticulture program at the Faculty of Agriculture in good academic standing, with preference given to students from the Fall River, Waverley, Wellington, Oakfield, Lakeview or Windsor Junction, Nova Scotia areas. Other residents of Nova Scotia will be considered. Applicants will have demonstrated financial need and well-developed career plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Farm Focus Scholarship

Farm Focus of Atlantic Canada is an agricultural newspaper that covers the Atlantic Provinces and their diverse food production. The publication contains information on the various sectors of the agricultural industry, including: regional, national, and international news; profiles on farms and farm families; 4-H; features on new innovations and technology; and editorials and opinions on issues of importance to the farming community.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture at Dalhousie. Selection is based on financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$200

Ena Fenton Memorial Scholarship

Ena Fenton was a founding member of the Bedford Horticultural Society in 1950. Ena was an enthusiastic and willing participant in every function of that group for 47 years. Mrs. Fenton had been a teacher prior to her marriage and had always been interested in the education of young people. After her death in 1977, the Society decided to name their scholarship in her honor. They feel certain that she would have been very pleased by their acknowledgment of her interest in the development of Horticulture and Landscaping in Nova Scotia.

Eligibility: Available to students studying Horticulture or Environmental Studies, entering the second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia, with preference given to those from Bedford, Sackville, and Waverley. In years when no student from Bedford, Sackville, or Waverley applies for the scholarship, consideration will be given to other students from the Halifax Regional Municipality (excluding those from Halifax and Dartmouth). Selection will be based on financial need, career plans, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. J. Fraser Memorial Prize in English

The H.J. Fraser Memorial Prize was established in memory of H.J. Fraser who taught at the Agricultural Campus.

Eligibility: Awarded to a second year student who has excelled in first year English at the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$50

Dr. Gerry W. Friars Undergraduate Research Prize

Dr. Friars, a former NSAC Alumnus, was introduced to scientific research by an undergraduate research project. This was the beginning of a career in research in teaching. In recognition of the significance of this first research experience, Dr. Friars has provided a sum of money to endow an Undergraduate Research Award.

Eligibility: Awarded to a graduating undergraduate student from the Faculty of Agriculture who is judged to have completed the best written research report as part of the fourth-year project requirements.

Application Type: Automatic Consideration – No Application Required

Value: \$250

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Bronze Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of technical programs.

Application Type: Automatic Consideration – No Application Required

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

Kevin Grant Memorial Scholarships

In memory of Kevin Grant, Class of 1975 (Animal Science Technician diploma).

Eligibility: Available to students entering their final year in any two-year diploma program at the Faculty of Agriculture, with preference given to students enrolled on a full-time basis. Selection criteria include academic performance, leadership and contribution to campus life, career plans, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Green Diamond Equipment/John Deere Atlantic Agriculture Award

Green Diamond Equipment Ltd. became one of the largest privately held John Deere dealer organizations in Eastern Canada on November 1, 2008, with the consolidation of Planters Equipment Limited (NS) and PEI Farm Equipment (PEI).

Eligibility: Available to a technical or undergraduate student at the second year level or above who is a Canadian citizen from Atlantic Canada studying in the Faculty of Agriculture. The recipient will have a farming or agricultural background, demonstrate financial need, and have a life goal of working in agriculture in Atlantic Canada. A career in agriculture includes all areas from traditional farming, to engineering, to horticulture, to landscaping, and whether working in agri-business or with government.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Bonnie R. Haviland Memorial Bursary

The Bonnie R. Haviland Memorial Bursary was created by Barb Whiston in memory of her mother's aunt Bonnie, in order to honor her memory. This bursary will provide a legacy to Bonnie Haviland and provide support and encouragement to the selected student.

Eligibility: Awarded to a student entering the second year of the Veterinary Technology program whose performance in the first year has demonstrated a caring attitude and a commitment to others. Applicants will have demonstrated financial need. Recipients must not have received other bursaries of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Jennifer Hayes Starratt Scholarship

The Jennifer Hayes Starratt Scholarship was created by Jennifer's husband, Mark, as a Christmas gift. Jennifer Starratt attended the Agricultural campus and graduated in 1996 with a Bachelor of Science in Agriculture. According to her husband the Agricultural campus holds a very special place in Jennifer's heart and having a scholarship created in her name, is something very special to her. Due to the couple's success in their professional lives, they were able to create a legacy to give back to the communities that have helped enrich their lives.

Eligibility: Available to female students entering their final year of the Bachelor of Science (Agriculture) program, with preference given to students who have completed their first three years at the Faculty of Agriculture. Selection will be based on academic performance, leadership, and involvement in campus activities. The scholarship will not be awarded to a student receiving other significant scholarships.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

Anna Helvig Schousboe Memorial Scholarship

This scholarship was established with the Department of Agriculture, Fisheries and Aquaculture, Government of New Brunswick, in memory of Anna Helvig Schousboe. Anna and her husband Gustav emigrated from Denmark in 1928 and became lifelong Kings Co. NB farmers and also very active in their community. Always strong believers in the value of education, after her death in 1993 Gustav endowed this scholarship in her memory to assist New Brunswick youth in pursuing studies in the agricultural field.

Eligibility: Awarded to a resident from Kings County, New Brunswick, working towards a degree or diploma in agriculture at the Faculty of Agriculture. Applicants must be permanent residents of Kings County, New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

John Higgins Memorial Scholarship

John was a founding member of The Atlantic Association of Landscape Designers in 1992. He was instrumental to the development of Canada's first ever Certification Program for Landscape Designers, which was available to all designers in the Atlantic Region, and pre-empted the National Certification Program by several years.

John Higgins' dedication and enthusiasm for the Landscape Design Industry throughout his career was unfaltering, his contributions immeasurable. It is for these

reasons that AALD decided to offer a Design Scholarship for students attending the AC, to be dedicated in his name. The Atlantic Association of Landscape Designers hope is that, in part through this scholarship, his legacy will live on.

Eligibility: Available to students entering third year of the Bachelor of Technology in Environmental Landscape Horticulture program in the Faculty of Agriculture.

Selection criteria include academic performance and skill and interest in landscape design.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Randy and Gladys Keddy Memorial Scholarship

The Randy & Gladys Keddy Memorial Bursary was established by their son, Stewart Keddy in memory of his parents to provide an on-going legacy that is meaningful for family members and friends. Stewart graduated from the Faculty of Agriculture in 1967, from McGill University in 1969, and from Dalhousie Dentistry in 1974, where he was recognized for excellence in endodontics and radiology. Stewart practiced as a dentist for 37 years. He served in the Dental Corps from 1974-1979 and was a founding partner of Purdy's Wharf Dental Group from 1985 until his retirement in 2011. He held memberships in the Nova Scotia Dental Association, Canadian Dental Association, and Academy of General Dentistry.

Eligibility: Available to students entering second year of a diploma program or the third year of a degree program in the Faculty of Agriculture, with preference given to students from the Annapolis Valley of Nova Scotia with farm backgrounds. Awarded to a student whose background, program of study, course and project work and summer employment show a genuine interest in working in the agricultural industry following graduation. Selection criteria include career goals, academic performance, and financial need. Students receiving other scholarships of greater value will not be eligible for this scholarship.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Ketchum Manufacturing Company Limited Prize

Zebulon Ketchum, an Ottawa, Canada based inventor and former professional lacrosse player turned his love of tinkering into a successful business. He owned a bicycle shop in downtown Ottawa and eventually grew and expanded that business into other products including becoming the first provider of the new "horseless carriage" in the nation's capital. However, it was his inventor's nature that led him to the genesis of the Ketchum business which was metal identification tags to be used in the livestock industry. The company has become the world's leading supplier of tags used to identify and trace the origins of wild caught and farmed seafood and they continue to be a metal stamping company as well and currently produce numerous metal products for various industries around the world. The business started on a rural farm outside of Ottawa and when it moved it found itself in the middle of the city. What started as a niche business serving the local agricultural community spread regionally, then nationally, and now competes in almost every market of the world.

Eligibility: The Ketchum Manufacturing Company Limited Prize is awarded to a graduate of the Animal Science option.

Application Type: Automatic Consideration – No Application Required

Kings Mutual Insurance Scholarships

In memory of Past Directors, the Kings Mutual Insurance Company awards scholarships to students in the Faculty of Agriculture. The Kings County Federation of Agriculture represents the interest of the agricultural community in Kings County and is an active voice for its 395 members with the Nova Scotia Federation of Agriculture, Council of Leaders and provincial and national governments.

Eligibility: Available to students in any technical or undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia.

Selection criteria include financial need, academic performance, and demonstrated interest in a career in the Agri-food industry as reflected by summer employment and/or extra-curricular involvement. This scholarship is not available to students receiving other scholarships of greater value. At least one scholarship will be awarded annually to a technical-level student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

P. Max Kuhn Scholarship

P. Max Kuhn grew up on a small farm in Lawrencetown, Halifax County. He lived from 1887 until 1928 and was the father to Bernard G. Kuhn. Max attended one year of the former NSAC General Course in 1908-1909. He was not able to return the next year because of need for him at home and shortage of funds, it was a great disappointment to him. That year was his only year of formal schooling; his home was so isolated that he was never able to attend grade school or high school, and his mother taught him at home. Max was a dedicated, hard-working farmer, and he made great use of his AC training. He bought his own Manor Hill Farm in 1918, located on Woodlawn Road (Portland Street) just outside what were then the town limits of Dartmouth. He market-gardened and ran a dairy there until his death. It was Bernard's wish to establish this scholarship to recognize his father, Max, give education opportunity to others beyond what his father had, and to "repay Nova Scotia, former NSAC and Canada in small part for the education and support that he received here" (Bernard G. Kuhn).

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture at Dalhousie, with preference given to students who have completed at least one year of study. Applicants must be permanent residents of Nova Scotia, with preference to students from the Halifax Regional Municipality. Awarded to a student with a farm background or those whose course and project work and summer employment demonstrates an interest in working in the agriculture industry after graduation. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Landscape Nova Scotia Award

Landscape Nova Scotia's mission is to promote high standards in product quality, professional service and conduct in the horticultural trades industry; and to encourage the use of Association members by the public. Landscape Nova Scotia has been a voice for the landscape and horticultural industry for more than 20 years in Nova Scotia, and are committed to providing consumers with options to make informed decisions.

Eligibility: Available to students in a landscape-related undergraduate program in the Faculty of Agriculture. Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

AB & JE Langille Brothers Scholarship

Alan Langille graduated from the Nova Scotia Agricultural College in 1958 and went on to have a career as a plant physiologist and professor at the University of Maine. Alan makes this scholarship possible in memory of his two older brothers, both also NSAC Alumni. Bruce Langille (grad 1946) went on to work as a chemist

for the Plant Products Lab in Ottawa. Jim Langille (grad 1947) went on to a career as an Agronomist for Nappan Experimental Farm.

Eligibility: Awarded to a third year BSc(Agr) student majoring in Plant Sciences. Preference will be given to students who have completed their first three years of study at the Faculty of Agriculture. Awarded based on academic excellence and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

C. C. MacDougall Memorial Scholarship

C.C. MacDougal was the first district agriculturist to work with the NB Department of Agriculture in Sussex. The C.C. MacDougall Memorial Scholarship was established in 1958 by a large group of agriculture groups.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture. Awarded to a student pursuing a degree or diploma in Agriculture.

The recipient must have been a 4-H member from Kings County, New Brunswick, or have parents who raise or breed Guernseys anywhere in New Brunswick.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Dr. Allan and Barbara MacKay Scholarship

Born in Heathbell, Pictou County, Nova Scotia, Dr. Allan MacKay received his early agricultural experience on the Spruce Grove Farm that had the distinction of having one of the first purebred Guernsey herds in Canada. He was a member of the Scotsburn Junior Dairy Calf Club and represented his province in the National competitions for club members at the Royal Winter Fair in Toronto in 1941. Dr. MacKay received his primary education at Heathbell School and his secondary education at Pictou Academy. He graduated from former N.S.A.C. in 1943 and obtained his Doctor of Veterinary Medicine from the Ontario Veterinary College in 1951. That same year he established a veterinary practice in Pictou County and continued his work until his retirement in 1991. Dr. MacKay is honoured for his program of animal health care, for his philosophy of preventing disease problems before they occur and his dedication to farm families in the area he served.

Eligibility: Awarded to a student with strong academic performance from the Faculty of Agriculture who plans to study veterinary medicine at the Atlantic Veterinary College.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Angus and Tena MacLellan Memorial Scholarship

The Angus and Tena MacLellan Memorial Scholarship was established by both Tena and Angus' estate. Angus and Tena were avid farmers in Cloverville, Antigonish County.

Eligibility: Available to students entering third or fourth year of an undergraduate degree program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

Paul R. MacPhail PEI Potato Industry Scholarship

The roots of the Prince Edward Island Potato Board can be traced as far back as 1920, when the first Potato Growers' Association was formed on Prince Edward Island. A true marketing board followed in 1950 and was restructured as a producer controlled board under the Natural Products Marketing Act in 1990. The PEI Potato Board established this award in memory of Paul R. MacPhail.

Eligibility: Awarded to a PEI student studying at the technical or undergraduate level of an agricultural program. The recipient will demonstrate an interest in working in the potato industry through course work, research projects related to potato production and utilization (including all disciplines, e.g. pathology, biotechnology, entomology, etc). Awarded based on academic performance and the project's relevance to the improvement of the potato industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Edith Main Memorial Bursary

The NSVMA has created the Edith Main Memorial Bursary in her memory. Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected.

Eligibility: Awarded to a Nova Scotia student in the second year or higher of a diploma or degree at the Faculty of Agriculture who intends to pursue a career in veterinary medicine.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Joseph E. Mapplebeck Memorial Bursaries

In honour of Joseph E. Mapplebeck, who farmed for 50 years in Kings County, Nova Scotia, and in recognition of his appreciation for the importance of a good education, family members have established two bursaries.

Eligibility: Available to current second year technology students at the Faculty of Agriculture in good academic standing who demonstrate financial need. One of the two awards will be made available annually to a student in the Plant Science Technician program.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bill Mathewson Memorial Award

Bill Mathewson grew up on a hill sheep farm in Sma Glen, Scotland. He graduated with a BSc (Agriculture) in 1949 and later (1974) a MSc. both from Aberdeen University. On graduation 1949, he joined H.M. Overseas Civil Service. After further training in Cambridge and Trinidad, he was posted to Tanganyika, Africa where he worked for 14 years. On retirement in 1965, he worked for three years with the N.F.U. of Scotland in Edinburgh before immigrating with his family to Nova Scotia in 1968. He taught for 20 years at the Faculty of Agriculture. Bill retired in 1988 and was honored by his colleagues by being made Professor Emeritus. Much loved by students, faculty and the agricultural industry, Bill will be greatly missed. It is with his memory in mind, that Bill's friends and colleagues at the AC launched an award in his name.

Eligibility: Available to any student registered in any program at the Faculty of Agriculture participating in an international experience. In applying for consideration, students will submit a proposal to participate in such activities as a study semester abroad toward their degree/diploma, attendance at a conference to make a presentation, a specialized training course or an internship or development project.

Application Type: Contact awards@dal.ca for more information

Value: \$1,000

Donald McInnes Award

Established in 1904, Pictou Mutual Insurance Company is the oldest mutual insurance company in Nova Scotia. Initially established by a group of farmers who sought to provide local protection for each other in the event of loss, their company has grown to include more than 3,500 local and rural policyholders. Donald McInnes was born in 1933 on the original McInnes farm on Scotch Hill Road. A graduate of Pictou Academy high school, he attended the AC, graduating in 1955. As a shareholder of Scotsburn Co-op, Donald served as Director for 22 years and Chairman of the Board for 15 years. For 35 years Donald was active in the Pictou County Farmers Mutual Fire Insurance Company. Donald served first as an agent, then as a director and manager of the company. Due to Donald's sincere involvement with both the community and Pictou Mutual Insurance Company, an award has been created in his name which is funded by Pictou Mutual Insurance.

Eligibility: Available to a student enrolled at the Faculty of Agriculture. Selection criteria include commitment to and involvement in the community and leadership provided in student activities, academic performance and financial need. A student may not be selected for this award more than once.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

H. A. L. McLaughlin Memorial Scholarship

The H.A.L. McLaughlin Memorial Scholarship was established in memory of H.A.L. McLaughlin who taught horticultural at the Agricultural Campus from 1953 to 1971.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$100

Clint McLean Memorial Scholarship

The Clint McLean Memorial Scholarship was established by Clint's loving family, with contributions from his many friends and colleagues. Clint loved life and had many interests including entertaining, fine cooking, travel and music. To Clint family was everything; no amount of trouble, sacrifice, or inconvenience was too much. However, his heart was in agriculture. He lived and breathed agriculture, but dairy had a special corner in his heart. Not only did he talk the talk, he walked the walk. Clint was a graduate of NSAC (Class of 1979) and Guelph University. He was also an active member of his alumni associations, serving as Vice President and President for the Agriculture College Alumni. Clint served on the Agricultural Institute of Canada Board of Directors and on numerous institute committees. He served as the chair of the Atlantic Forage Crops Advisory committee and represented the Atlantic Provinces at the National Expert Committee on Forage. Clint was a distinguished and valued member of the NB Department of Agriculture, taking a leading role in innumerable initiatives to support the true stewards of the land; the farmers of Atlantic Canada. His career was that of a scientist with a human touch.

Eligibility: Awarded to a third or fourth year BSc(Agr) student, with a preference to a student from New Brunswick and a preference to a student involved in the study of dairy. Recipients will have strong academic standing and demonstrate financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Miller Memorial Award

Since 1983 John Miller assisted the hog industry by coordinating and providing programs that greatly improved the industry as secretary/manager of Pork Nova Scotia. John spent countless hours educating producers and others of the cost efficient and productive way to raise and market hogs. He often spoke at the Faculty of Agriculture to students in the hog production course on the strengths of the industry. To show appreciation of this dedication, the producers and friends of Pork, NS provide an award in memory of John.

Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Awarded to a student whose course and project work and career plans reflect an interest in the hog industry or whose application shows interest, understanding, and appreciation for Nova Scotia's hog industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

T. Beverly Milligan Gale Memorial Scholarship

The T. Beverley Milligan Gale Memorial Bursary was established in 2010 by Bev's husband, Bob, in recognition of her spirit and love of the gardens at the Faculty of Agriculture.

Eligibility: Available to current students studying Horticulture in any undergraduate program in the Faculty of Agriculture, with preference given to mature students.

Selection criteria include career plans, academic performance and financial need, with preference to a student interested in landscape design and care.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

John Reginald (Reg) Moore Memorial Scholarships

Reg Moore was born in Economy Nova Scotia on August 25, 1917; the fifth of six children. He was educated in Economy and Bass River graduating in 1935. Reg then enrolled in Normal (Teachers) College in Truro. He taught in various locations in Nova Scotia until called up for service in the Royal Canadian Air Force in 1940. Reg served as a staff pilot and as a Coastal Command pilot in Canada and the United Kingdom. Returning to Canada in 1945 Reg enrolled in the Nova Scotia Agricultural College (now the Faculty of Agriculture, Dalhousie University). He graduated from the former NSAC in 1947. Reg spent his entire post war career at the FCC. First as

a Credit Advisor, then as Branch Manager for Nova Scotia. In 1960 he was transferred to Saint John, New Brunswick as Executive Assistant to the Regional Manager Atlantic. By 1962 Reg had tired of doing office work and transfers (four in three years) so requested a transfer to field duties where he would have day to day contact with farmers. He was assigned to the Sussex, NB Office where he completed his career, retiring in 1981.

Eligibility: Available to current students in any undergraduate program in the Faculty of Agriculture, with preference given to students studying in a full-time capacity. Applicants must be permanent residents of Colchester County, Nova Scotia and will have completed at least one year of study. Selection will be based on financial need and a cumulative average of at least 3.00.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$600

A. C. Neish Memorial Trust Scholarship

Dr. Neish (1916-1973) was an undergraduate at the former Nova Scotia Agricultural College in Truro. This is where he had his first contact with science and where he had won the Governor General's Medal and a Macdonald College (Quebec) Scholarship. His work on fermentation, bacterial and plant metabolism and the biosynthesis of plant polysaccharides and lignins received international acclaim. He was a Fellow of the Chemical Institute of Canada, of the Royal Society of Canada, and the Royal Society of London. Dr. Neish was the first person to be awarded the Gold Medal of the Canadian Society of Plant Physiologists, and was awarded an honorary doctorate by Mount Allison University and an honorary Doctor of Science degree by McGill University. The A.C. Neish Memorial Trust Scholarship was established by friends, admirers, and colleagues of the late Arthur Charles Neish.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program. Selection criteria include high academic performance and qualities of leadership as indicated by participation and achievement in both academic and non-academic activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Newfoundland and Labrador Federation of Agriculture Scholarships

To encourage local students to pursue careers in the agri-products industry, the Newfoundland and Labrador Federation of Agriculture awards two scholarships to students entering studies at the Faculty of Agriculture.

Eligibility: Available to students entering any undergraduate program in the Faculty of Agriculture directly from high school. Applicants must be permanent residents of Newfoundland and Labrador (preferably one student from the east coast and another from the west coast). Selection criteria include academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia 4-H Council Award

4-H is a youth development organization which promotes leadership, encourages the care and responsibility of resources, and builds positive life skills to secure a sustainable future for Nova Scotia. The 4-H Council has been active for over 100 years in Canada. It is comprised of 2,400 members, 900 leaders and 100 clubs in Nova Scotia. More than 80 countries worldwide have 4-H clubs. The purpose of the 4-H program is to prepare young girls and boys for their future as adult citizens. 4-H stands for head, heart, hands, and health and the motto is to "learn to do by doing."

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Selection criteria include academic performance, financial need and participation in 4-H club activities.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

Nova Scotia Animal Breeders Co-operative Limited Awards

The Nova Scotia Animal Breeders (NSAB) Co-op Limited specializes in an array of different cow options for their consumers. They offer products and supplies for cow farmers, and a multitude of service options. Some of the services offered are: artificial insemination, computer assisted herd mating, young sire program (Holstein), direct sales-owner breeders, and A.I. Sires.

Eligibility: Available to current students in the 2nd year of the BSc (Agriculture) with a major or minor in Animal Science or the 2nd year of a diploma with specialty in Dairy Farming or Agriculture. Recipients must have attended high school in Nova Scotia and demonstrate an interest in the dairy or beef industry through their farm backgrounds, course, and/or project work.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,250

Nova Scotia Egg Producers Association Scholarships

The Nova Scotia Egg Producers (NSEP) is incorporated under the Natural Products Act for Nova Scotia. The act provides the NSEP the authority to carry out its mandate of effective promotion, control and regulation of eggs and pullets in Nova Scotia.

Eligibility: Available to students in the Bachelor of Science (Agriculture) program with an Animal Science major whose course and project work show an interest in poultry. At least one scholarship will be awarded to a final year student conducting a poultry related research project in RESM 4002 and RESM 4003.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,500

Nova Scotia Federation of Agriculture Scholarship

Since 1895, the Nova Scotia Federation of Agriculture has represented the interests of Nova Scotia's agricultural community. Today its members account for well over 90% of all agricultural production in Nova Scotia. With an organizational structure that includes representation from 13 county and regional federations and 27 recognized agricultural commodity groups, the Federation brings together over 2,400 individual farm businesses representing all aspects of primary agriculture in the province.

Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia with farm or 4-H backgrounds. Selection criteria include financial need and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: 2 @ \$500

Nova Scotia Federation of Agriculture 100th Anniversary Scholarship

In recognition of the 100th Anniversary of the Nova Scotia Federation of Agriculture in 1995.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture who are permanent residents of Nova Scotia with a farm background, financial need, and good academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Nova Scotia Institute of Agrologists Scholarships

Founded in 1953, the Nova Scotia Institute of Agrologists is the provincial organization authorized under the Agrologists Act to govern the professional conduct of its members, in support of the public interest. Persons who hold themselves out to be a professional agrologist must be registered with NSIA under the Act.

Eligibility: One will be awarded to a student entering their third year of the BSc(Agr) program and the second, recognizing the current anniversary of NSIA, to a student entering their second, third or fourth year of the BSc(Agr) program. Students must be from Nova Scotia and will be selected based on academic performance, participation in school and community activities, degree of interest in agrology, career plans in the Agri-food industry, and financial need.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 20

Value: 2 @ \$1,000

Nova Scotia Mink Breeders Association Award

Dr. Bruce Hunter passed away on October 19th, 2011 at the age of 61. He was a leading veterinarian in the fields of avian and furbearer disease, and an integral part of the Canadian mink industry, serving as director of research for the Canada Mink Breeders Association. He was a longtime champion of integrating animal, human and environmental health at OVC and around the world. He played a key role in setting up a Canadian Community Practice in EcoHealth (CoPEH) and a graduate-level course in ecosystem approaches to health involving U of Gm the University of British Columbia and Université du Québec à Montréal. Recently, he was co-leader of a poultry project in Ghana for Veterinarians Without Borders/Vétérinaires Sans Frontières-Canada. This year, he received the Aeroplan Volunteer of the Year Award from VWB/VSF in recognition of his work and commitment. The Nova Scotia Mink Breeders Association established this scholarship in memory of Dr. Bruce Hunter, a retired veterinarian from Ontario Veterinary College and recognized expert on naturally occurring diseases in mink. This scholarship will recognize students who have an interest in mink.

Eligibility: Available to current students in any Animal Science-related undergraduate program in the Faculty of Agriculture, with preference given to a student whose course/project work demonstrates an interest in the mink industry.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Nova Scotia Veterinary Medical Association Bursary

Incorporated under the Veterinary Medical Act of the Province of Nova Scotia, the Nova Scotia Veterinary Medical Association (NSVMA) holds the responsibility to regulate the practice of veterinary medicine and to govern its members in accordance with this Act, regulations and the by-laws in order that the public interest may be served and protected. The NSVMA has established a scholarship for a student entering the Animal Health Technology program.

Eligibility: Available to students entering first year of the Veterinary Technology program in the Faculty of Agriculture who are permanent residents of Nova Scotia.

Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Novartis Award

Novartis is one of the world's leading healthcare companies, Novartis' dedication to scientific research, imagination, and new technologies has led to the creation of thousands of ground-breaking products and services in the areas of pharmaceuticals, nutrition, eye-care, and animal health.

Eligibility: Presented to the top all-round student graduating from the Veterinary Technology program who has particularly excelled in the area of parasitology.

Application Type: Automatic Consideration – No Application Required

Nutreco Canada Inc. Scholarship

Nutreco Canada is a leading animal nutrition company that invests in research, development and technology application to deliver superior results for producers. Their brands, Shur-Gain and Landmark Feeds, offer a wide range of livestock and poultry nutrition and health solutions.

Eligibility: Available to students entering their final year of the Bachelor of Science (Agriculture) program, majoring in Animal Science. Selection criteria include academic performance, leadership qualities, and participation in student and community affairs.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Donald Palfrey Award

The Don Palfrey Award was established in memory of Don Palfrey in recognition of his many years of service and contributions to weed science in Nova Scotia. Don was born in Fort Fairfield, Maine. He received his formal education in Pictou County and he graduated from the AC in Truro, Nova Scotia and from McGill University in Montreal, Quebec with a Bachelor of Science in Plant Pathology. He worked for the N.S. Department of Agriculture in Marketing for 37 years, retiring as Supervisor of Weed Science, where he was a key player and helping in pioneering work in extension and research in weed control in Nova Scotia. Don also taught at the AC for 18 years, teaching courses in Weed Control and Plant Pathology. He was a distinguished life member of the N.S. Institute of Agrologists and the first honorary life member of the Atlantic Vegetation Management Association. As a result of Don Palfrey's sincere commitment to the Department of Agriculture and his field of interest, an award has been created to honor his memory and legacy.

Eligibility: Awarded to a final year undergraduate student carrying out a research project in the area of pest management, with preference to a student involved in weed science, either through academic work or summer employment.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Robert Parent Memorial Scholarship

The Robert Parent Memorial Scholarship was created in memory of Robert Parent who attended the Agricultural Campus and graduated in 1921. His wife, Laura E. Daisy Parent, left in their estate, wishes to establish a scholarship in his memory.
Eligibility: Available to an outstanding current student in any undergraduate program in the Faculty of Agriculture who has not qualified for other significant awards.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,200

Pork Nova Scotia Scholarship

Pork Nova Scotia is the marketing agent for hogs in Nova Scotia. Their mandate is to create the most favorable environment possible for the production and marketing of pork in Nova Scotia to assist in maximizing returns for Nova Scotia producers. PNS has an active and organized structure that has become the recognized voice of the Pork Industry in Nova Scotia. It is organized into 3 geographical zones, representing pork producers who account for 100% of Nova Scotia's pork production.
Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of Nova Scotia. Awarded to a student with an interest and/or background in swine production. Selection criteria include demonstrated interest in the swine industry (through course or project work), academic performance and financial need.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$350

Prince Edward Island Institute of Agrologists Scholarship

The P.E.I.I.A is made up of agricultural professionals who are at the leading edge of the agri-food industry. Institute members are researchers, educators, extension specialists, primary producers and administrators of agricultural programs and policies.
Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program. Applicants must be permanent residents of Prince Edward Island. Selection criteria include academic performance, school and community involvement, financial need, and a career goal of becoming an agrologist.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$1,000

Stuart Rath Junior A Bearcat Hockey Education Award Fund

The Stuart Rath Truro Bearcat Education Awards have been established to encourage the pursuit of university education among players with the Truro Junior A Bearcat Hockey Team ("The Bearcats") by providing tuition support for players enrolled at Dalhousie University. Stuart Rath, a very involved community member of Colchester County and surrounding area, established The Bearcat Hockey Education Award. Some of Stuarts endeavors are as follows: he serves as the Vice President of Truro Centre Ltd, and the President of Stuco Holdings Ltd. From 1985-1995 Stuart served as the President of Halifax Cablevision Ltd, from 1976-1985 he served as the President and General Manager of Eastern Cablevision, and from 1960-1975 he was the Chairman of the Truro Industrial Society. A few of Stuarts other accomplishments are being Director of Nova Scotia Business Inc. since March 2007, Director of Morien Resources Corp since December 1997, as well as serving as Director of Stuco Holdings Ltd. and Director of Erdene Resource Development Corporation since June 2006 until November 2012.
Eligibility: Available to entering or current technical and undergraduate students at the Faculty of Agriculture. Selection is based on academic performance and the recommendation of the team coaches.
Application Type: Automatic Consideration – No Application Required

Cliff and Grace Retson Memorial Scholarship

The Grace and Cliff Retson Memorial Bursary was first created by Grace in memory of her husband, Cliff Retson who graduated from the AC in 1934. Cliff passed away in 1997. Grace was born in Waskada, Manitoba and grew up in Kerrobert, Saskatchewan. She attended secretarial school in Saskatoon and after retiring, she received her Bachelor of Arts from St. Mary's University. Grace met Cliff, her husband of 56 years, while she was working at the Senate in Ottawa. They married on July 26, 1941 and moved to Truro in 1947. The Retson's (Grace & Cliff) hosted several international students studying at the Faculty of Agriculture over the years. It is for this reason and to ensure ongoing support of the educational interests of International students studying at Dal-AC, that Grace created the scholarship.
Eligibility: Available to international students in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, academic performance, and interest in and involvement in multi-cultural activities on campus.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$600

Ira L. Rhodenizer Memorial Scholarship

Ira Rhodenizer was born in 1890 in Parkdale, Lunenburg County, Nova Scotia and lived there for the majority of his life. He served in the Canadian Army from 1914 to 1919 and was wounded overseas during World War I. He later became a farmer, storekeeper, and lumberman in Parkdale, NS. He was greatly interested in community life and was associated with farmer's organizations for many years. He was married and had seven children. He was a member of the Baptist Church, the I.O.O.F. and Masons. Ira was active in Nova Scotia Guides and Fish and Game Associations, had been a municipal counsellor and President of the Lunenburg Centre Liberal Association. He was a Director of the Nova Scotia Federation of Agriculture and was killed in a car accident on the way to a meeting of this organization in August 1958. The Ira L. Rhodenizer Memorial Scholarship was provided by the Federation as a memorial for his dedication and contributions through the years.
Eligibility: Available to students entering second year of any undergraduate program in the Faculty of Agriculture who are permanent residents of Nova Scotia. Selection criteria include academic performance, involvement in student affairs, and participation in the 4-H program.
Application Type: Faculty of Agriculture In-Course Award Application
Application Deadline: Check dal.ca/scholarships for application deadline
Value: \$500

Dr. Robert G. Rix Family Farm Scholarship

Robert (Bob) Rix was born in Halifax on July 29th, 1948. Robert graduated from Dalhousie University Dental School in 1974. He practiced in Musquodoboit Harbour, Tatamagouche, and Winsloe, PEI, prior to opening his own dental practice in Bible Hill. He took great interest in his profession and knew the family trees of most of his patients and will be fondly remembered by everyone for his excellent dentistry, story-telling, knowledge of American History, love of gardening, tinkering with mechanical items, love of nature and his family. Robert had originally established the "Robert G. Rix Family Farm Bursary" in 1985. Although not having a farm background himself, he shared his beliefs that everyone's roots are in the land and he felt his way to contribute to the importance of agriculture to our society was through this small bursary each year. A couple years ago, the award became known as the "Dr. Robert G. Rix Scholarship" to allow support to a student where the need was greatest. After Robert's passing, one of the faculty provided funds to continue the bursary in Robert's name. Since then, Robert's family has graciously supported the scholarship to allow his legacy and memory to live on.
Eligibility: Available to students in any undergraduate program in the Faculty of Agriculture who has shown determination and dedication to operating a family farm.

Recipients will have demonstrated financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$300

J. Arnold Roberts Memorial Scholarship

The J. Arnold Roberts Memorial Scholarship was created by Elsie Roberts in memory of her husband, Arnold Roberts. Establishing a scholarship in memory of a loved one is a wonderful way to ensure their legacy and memory lives on, and this is what Elsie wished for her late husband.

Eligibility: Available to current students in any year of an undergraduate program in the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces. Awarded to an outstanding student who is not receiving a scholarship of greater value.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Howard W. Roper Memorial Award

The Howard W. Roper Memorial Bursary: Presented by the Nova Scotia/Newfoundland Holstein Branch was established in memory of Howard Roper. Howard was born in Charlottetown, PEI and later moved to Princeport with his father in 1926 to manage the Beech Hill Farm and Dairy. Howard and his father purchased the farm in 1932 and operated the farm with purebred Guernsey's until 1952. Following the sale of the farm, he was employed by the Nova Scotia Animal Breeders Co-operative as Manager of Sales and Promotions. Howard was well-known throughout Canada, especially in Atlantic Canada for his work in the dairy industry and his love of dairy cattle, particularly Holsteins and Guernsey's. He was inducted into Atlantic Agricultural Hall of Fame in 1980, an institution in which he was instrumental in founding. The Canadian Association of Animal Breeders honored Howard in 1992 with the Award of Merit for outstanding contribution to the Dairy Cattle Industry. He was also made a lifetime member of the Canadian Guernsey Breeder Association. Those who knew Howard best will remember him for his honesty, integrity, love of people and his great eye for cattle.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture, with preference given to second year students in the Diploma in Business Management - Dairy Farming program. Applicants must be either be permanent residents of Nova Scotia or Newfoundland and Labrador. Applicants must be members of Holstein Canada, or, a member of a family with Holstein Canada membership. Selection criteria include involvement in the dairy industry, extra-curricular involvement through athletics and clubs on campus, involvement in farm organizations, financial need and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Ted Rose Memorial Scholarship

The Ted Rose Memorial Scholarship was created by Mrs. Ann M. Rose in memory of her husband, Ted. Ted had grown up on a dairy farm in Urbania, near Shubenacadie. Ted and his brother Percy ran the farm after the death of their father. Although no one from the family had any connection to the AC, Mrs. Rose had a soft spot for farming, admitting there can be "nothing as rewarding as farming." Rose wanted to provide a scholarship to a deserving young person who is interested in farming themselves someday, while honoring her husband's memory.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Awarded to a student who plans to operate a livestock farm. Selection criteria include financial need, academic performance and a documented commitment to animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Rotary Club of Truro International Student Bursary

The Rotary Club of Truro has been part of the fabric of the community of Truro as well as the network of Rotary Clubs around the world since 1926. The Rotary Club of Truro is proud of its years of service and benevolence in the community and internationally. In addition to providing assistance to countless individuals with special needs for medical treatment or equipment over the years, the Club has continued to focus on the needs of children with disabilities.

Eligibility: Available to a current international student at the Faculty of Agriculture. Preference will be given to students registered in a program of study and registered full time, with additional preference given to students studying for the full year. Special consideration will be given to students who came from a developing country and plan to return and apply their education there. All students paying the international tuition differential are eligible for consideration. Selection criteria include financial need and potential impact of the bursary on the student's lifestyle while at school and their future plans.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Rick Russell Memorial Scholarship

Rick Russell passed away Saturday, July 3rd, 2004 after a courageous battle with cancer. After graduating from NSAC, Rick was employed at the College as the swine herdsman for 20 years and then as manager of the fur unit for 4 years. Rick was the coach of the former NSAC Woodsmen Team for 24 years. He was well respected by both his peers and the athletes he coached. He was always giving of himself and was recognized for his unselfish devotion to the college community by the AC Student population by being given the Student Appreciation Award in 1995. Due to his sincere commitment to NSAC and his community, a scholarship has been created in his memory.

Eligibility: Available to current student athletes in any undergraduate program at the Faculty of Agriculture. Selection criteria include financial need, involvement and leadership in the Woodsmen program, and satisfactory academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Gail Semple Memorial Scholarship

In memory of Gail Semple (nee Johnson, Truro, Nova Scotia), who had a strong commitment to animal welfare,

Eligibility: Available to upper-year BSc(Agr) students who plan to study veterinary medicine. Selection criteria include financial need, academic performance, and a background with demonstrated experience in animal welfare.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Jack Sibley Agriculture Bursary

This award was established by the John & Judy Bragg Foundation to honour John D (Jack) Sibley. Jack was born in 1937 at Meaghers Grant in Nova Scotia's Musquodoboit Valley and graduated from Musquodoboit Rural High School in 1954. After receiving a BA from Mount Allison University in 1957 he attended the Nova Scotia Agricultural College and is an alumnus of the Class of 1959. He began his working career as a teacher and then moved on to work for several years as a field manager for McCain Foods. In 1965 he returned to Nova Scotia and spent the next 29 years as a wild blueberry extension specialist with the Department of Agriculture and Marketing. In 1994 he retired from this position and in 1997 began work with WBANA Canada in wild blueberry promotion, retiring in 2011 after a total of 44 years of service to the wild blueberry industry. Jack had a number of part-time careers which included operating his own wild blueberry acreage, working as a musician and MC, and teaching old-time fiddling to children from the Truro area.

Eligibility: Awarded to a full-time technical or undergraduate student at the Faculty of Agriculture who demonstrates financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

G. G. Smeltzer Memorial Award

Gerald "Gerry" Gordon Smeltzer was a graduate of the former Nova Scotia Agricultural College and McGill University, his work in the livestock industry, apiculture, livestock crops, 4-H, and his community rapidly earned Gerry Smeltzer the admiration of all who came to be associated with him. As an Extension worker with the Nova Scotia Department of Agriculture and Marketing, he promoted improved livestock management techniques and was considered a driving force in the 4-H program. While an agrologist with Agriculture Canada, his work on new varieties of corn for silage and grasses, legumes, soybeans, fababeans, field peas, and small grains, laid the foundation for the livestock industry of Eastern Canada. In 1966, Mr. Smeltzer was named the Annapolis Valley Man of the Year in appreciation of his efforts. In 1987, he was awarded the Fred Rathje Memorial Award by the Canadian Beekeepers' Association.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program at. Applicants must be permanent residents of one of the Atlantic provinces and be Plant Science - Agronomy majors. Selection criteria include a genuine interest in the area of field crops reflected through course and project work and summer employment, and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sodhi Memorial Bursary

This bursary was established by the Sodhi family in memory of Mr. Bhagat S. Sodhi, long-time librarian at the former Nova Scotia Agricultural College. Mr. Sodhi immigrated to Canada in the 1960's, in search of opportunity for his future family. After meeting and bringing his wife Darshan to Canada, they settled in Truro, NS, and began their family. Mr. Sodhi began working at the former Agricultural College in 1968, when the campus library was housed in Cox Institute. He was instrumental in moving the library to its current location at the MacRae Library, acting as head librarian until 1995. Mr. Sodhi considered the library staff as a second family. As a tribute to his memory, the Sodhi Family established an award in his name upon his passing on June 1st, 2009.

Eligibility: Available to current international students at the Faculty of Agriculture in good academic standing, with preference given to students in undergraduate and technical programs based on financial need. Students in all programs of study are eligible.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Sport Leadership Award

The Sport Leadership Award recognizes a high school varsity athlete enrolling full time in a program of study and planning on participating in a sport at the varsity level at the Faculty of Agriculture.

Eligibility: Available to entering technical or undergraduate students at the Faculty of Agriculture with an admissions average of at least 75%. Recipients of other major entrance scholarships are not eligible. Selection criteria include financial need, sport skills and leadership.

Application Type: Automatic Consideration – No Application Required

Phillip Stead Memorial Leadership Award

Phillip Stead graduated from the former Nova Scotia Agricultural College in 1965 with a degree certificate. He left Nova Scotia to complete his BSc. in Animal Science at McGill University and returned in 1967 to begin what was to be a long and successful career with the Nova Scotia Department of Agriculture, working as a sheep specialist with the Animal Industry Branch. In 1972 Phil continued his education by completing a MSc. in Agriculture and Nutrition at Virginia Polytechnic Institute and State University. For his passion for community involvement and his long standing contributions to Agriculture, a memorial award has been created in his name.

Eligibility: An award will be presented annually to a student who has exhibited outstanding leadership at the Faculty of Agriculture and/or within the community.

Nominations for the award will be received by a committee representing the Student Leadership program at the Faculty of Agriculture and a member of the sponsoring body for the award (Nova Scotia/Newfoundland Holstein Branch). The committee will select an awardee from those nominated who best represents the leadership qualities and performance in the past year or number of years that would be a model for others. Selection criteria may also include academic performance, financial need, and the other awards that have been granted to the nominee.

Application Type: Contact the Faculty for more information

Captain R. M. Steele Memorial Fellowship

Captain Richard Steele was a founding member of the Atlantic Chapter of the Rhododendron Society of Canada (RSCAR) and supported the creation of the Atlantic Rhododendron & Horticultural Society. He faithfully attended, and contributed to, meetings and programs. A mentor and friend to many, and with an international network of plants people, he was a major influence on horticulture, locally and further afield. RSCAR members in the early days established the tradition of the annual Steele Lecture, the objective being to bring a top-ranking plants person to Nova Scotia as a guest speaker. Captain Steele died March 14th 2010.

Eligibility: Awarded to a final year undergraduate student in the Faculty of Agriculture who intends to pursue plant-related studies at the graduate level.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Stewiacke Valley Garden Club Scholarship

Stewiacke Valley is located in the Southern area of Colchester County. The Stewiacke Valley Garden Club is involved in the beautification of the Valley, as the Club is a part of the Nova Scotia Association of Garden Clubs which promote the general landscape beautification of the province. The Club hosts a multitude of events, such as speakers on Horticulture, etc., bake sale events, plant sale events, and more.

Eligibility: Available to students in any undergraduate program at the Faculty of Agriculture. Applicant must be from the Stewiacke Valley area of Nova Scotia.

Selection criteria include involvement in extra-curricular and community affairs, financial need, and academic performance.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$250

William D. Swetnam Memorial Award

Raised in Port Mouton and Liverpool, NS, William (Bill) Swetnam, graduated from the former Nova Scotia Agricultural College in 1956. Bill discovered what he was destined to do when he purchased a farm in Sheffield Mills, NS in 1958. Throughout his career, Bill dedicated countless hours to many boards. As a founder of the Nova Scotia Turkey Marketing Board he also spent time on the County South and East Livestock Health Services Board, the NS Crop and Livestock Insurance Commission, Canadian Livestock Feed Board Advisors Committee, as well as Nova Scotia Farm Loan Board. Bill also served as president of the Kings County Federation of Agriculture and became a member of the Council of Leaders with the Federation. Bill's dedication to his community has not gone unnoticed. In 2002 he was honored by the Queen with the Golden Jubilee Medal. Bill has truly distinguished himself in his area of expertise, bringing honour to the former NSAC and the Alumni Association. It is for this reason, an award has been created in his memory.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program who have displayed leadership qualities during their program. Applicants must be permanent residents of one of the Atlantic provinces.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$2,000

Syngenta Canada Inc. Awards

Syngenta is one of the world's leading companies with more than 28,000 employees in some 90 countries dedicated to their purpose: Bringing plant potential to life. Syngenta's mission is to make a difference for smallholders in developing countries. By helping them become more professional growers, they want to achieve added value for rural communities. One way they do that is through technical innovation. Equally important is access to markets, enabling smallholders both to buy inputs and sell their produce. These and other factors are all essential for sustainability successful agriculture.

Eligibility: Available to a technical or undergraduate student in any program in the Faculty of Agriculture. Awarded to students whose course and project work reflect an interest in the Maritime potato industry. Applicants will be required to submit a 300-500 word essay expressing opinion on a topic relating to the crop protection industry. Selection criteria include academic performance, and potato farm experience or background.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

Bruce Trenholm/Atlantic '86 Scholarship

Bruce was born on the family farm in Grand Pre, Kings County, he graduated from the former Nova Scotia Agricultural College and MacDonald College, receiving his Bachelor of Science Degree in Animal Husbandry in 1947. Upon graduating from McDonald College he served as the Agricultural Representative in Yarmouth and then taught Animal Husbandry at the former Nova Scotia Agricultural College for three years. In 1952 he took over the family farm going on to establish the well-known Brulo herd. Bruce's contributions to agriculture have been many and varied and are worthy of recognition in the Atlantic Agricultural Hall of Fame. He had a lifelong interest in Holstein cattle and was Master Breeder and Past President of Holstein Canada. In 1986, the year of Bruce's death, he coordinated Atlantic '86 – the Annual National Convention of Holstein Canada. This scholarship was established in his name as an on-going memorial.

Eligibility: Available to students entering their final year in any undergraduate program at the Faculty of Agriculture. Applicants must be permanent residents of one of the Atlantic provinces, have a Holstein farm or 4-H (Holstein calf project) background. Selection criteria include academic performance and career goals.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$500

University Medal in Animal Science

Awarded to the graduating Animal Science student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Aquaculture

Awarded to the graduating Aquaculture student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Plant Science

Awarded to the graduating Plant Science student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Florence (Pineo) Ward Memorial Award

The Florence (Pineo) Ward Memorial Award was established by James Pineo in memory of his late sister, Florence. James wanted to leave a legacy behind for his sister, and help support the academic efforts of agricultural students, such as his niece Lisa (Orlando) Gowan, a BSc(Agr) Agricultural Chemistry graduate.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program at the Faculty of Agriculture.

Preference will be given to students from Boutillier's Point, Halifax County, and Advocate, Cumberland County. Awarded to students in financial need. Preference will be given to students with sound academic background who have come to the Faculty of Agriculture for technical training to enhance their employability but financial constraints are limiting their ability to continue their studies.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Michael Whidden Memorial Award

Awarded to a student who has provided leadership on the Faculty of Agriculture's Woodsmen Team, and has maintained a sound academic performance.

Eligibility: Available to current technical and undergraduate students at the Faculty of Agriculture.

Application Type: Automatic Consideration – No Application Required

Wild Blueberry Producers Association of Nova Scotia Scholarship

The Blueberry Producers Association of Nova Scotia is a grower organization with approximately 1000 members from around the province. The Association promotes the production and consumption of wild blueberries. It constantly strives to keep growers informed of the newest technology available for both growing and harvesting. As well, it helps provide the producers with an adequate return to management, labour and capital.

Eligibility: Available to students entering third or fourth year of the Bachelor of Science (Agriculture) program with Plant Science majors. Preference given to someone with interest and experience in small fruit. Selection will be based on academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$750

Eric Williams Memorial Scholarships

Born in 1938 Eric P. Williams started farming in 1959 with nine cows and twenty acres. Today the Williams' family own and operate a two hundred head Holstein dairy farm in the Goulds and employ a nephew and one other worker. Eric worked hard to introduce supply management for milk producers in Newfoundland. In 1983 he was appointed the first chair of the Newfoundland Milk Marketing Board now known as the Dairy Farmers of Newfoundland and Labrador. During his lifetime he fought to improve the cost of production formula for milk producers in the province. Eric was also nominated by the Dairy Farmers of Newfoundland and Labrador in recognition of his tremendous contributions to agriculture, to become an inductee into the Atlantic Agricultural Hall of Fame. It is for the same reasons that the Dairy Farmers of Newfoundland and Labrador have established a scholarship in his memory for his dedication and commitment to agriculture.

Eligibility: Available to current students who have completed at least one year of study in any technical or undergraduate program in the Faculty of Agriculture.

Applicants must be permanent residents of Newfoundland and Labrador. Selection will be based on academic performance. Typically one award is given to a technical student and the other to an degree-seeking student.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadline

Value: \$1,000

Zhuhui Ye Memorial Award

This fund was established by classmates of Zhuhui Ye (Kevin) to honour his memory. Kevin attended the former Nova Scotia Agricultural College as part of the FAFU 2+2 program, earning his BSc(Agr) in Aquaculture in 2012. Kevin continued his studies with the Dalhousie MSc. program. On September 8, 2012, Kevin lost his life in a drowning accident at Dollar Lake Provincial Park. Kevin is well remembered as an intelligent, popular, and outgoing man whose generosity touched the lives of many friends. The intent of the Zhuhui Ye Memorial Award is to further the understanding of culture and relationship between Chinese and Canadian students by supporting the FAFU/DAC 2+2 program.

Eligibility: Award to a Chinese student in the FAFU 2+2 program or another student demonstrating a commitment to and involvement with the FAFU 2+2 program at the Faculty of Agriculture, in addition to academic performance and financial need.

Application Type: Faculty of Agriculture In-Course Award Application

Application Deadline: Check dal.ca/scholarships for application deadlines

Value: \$500

Faculty of Architecture and Planning

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Architecture and Planning Awards

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences,

Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Architecture and Planning Bursaries

Proceeds from the former TUNS Board of Governors Fund are used at the Dean's discretion. They provide up to five \$1,000 bursaries to assist full-time students entering the winter term of the Bachelor of Environmental Design Studies or Master of Architecture program in the School of Architecture or the Bachelor of Community Design or Master of Planning program in the School of Planning. Applicants must be making satisfactory academic progress and must demonstrate financial need by submitting a bursary application. Selections are made by the Scholarship Committees of the School of Architecture and the School of Planning.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Bachelor of Environmental Design Studies Year Four Portfolio Prize

A prize is awarded to the student who has produced the best design portfolio at the end of year four in the BEDS program.

Application Type: Automatic Consideration – No Application Required

Bachelor of Environmental Design Studies Year Three Portfolio Prize

A prize is awarded to the student who has produced the best design portfolio at the end of year three in the BEDS program.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Community Design Service Prize

The prize is awarded to a graduating Community Design student who has made a significant contribution to community design beyond the School.

Application Type: Automatic Consideration – No Application Required

Community Design Thesis Prize

This prize is given in recognition of excellent work in completing the thesis project for the Bachelor of Community Design.

Application Type: Automatic Consideration – No Application Required

Community Design Achievement Award (third year)

This prize is awarded to the student with the highest cumulative average in the third year of the Community Design program.

Application Type: Automatic Consideration – No Application Required

Community Design Achievement Award (second year)

This prize is awarded to the student with the highest cumulative average in the second year of the Community Design program.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high

schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service,

internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Barry and Margo Johns Family Bursary

This bursary, donated by Barry Johns (BArch 1972), provides financial assistance to a student entering the B5 term of the BEDS program. Applicants must be making satisfactory academic progress and must demonstrate financial need by submitting a bursary application. The selection is made by the School of Architecture Scholarship Committee.

Eligibility: Available to current students in the Bachelor of Environmental Design Studies program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Harry Kitz Fund

Interest from the fund, established in memory of the late Harry Kitz, is used to support one or more students in the Faculty of Architecture and Planning to undertake supervised planning, design, or construction activities on public property in the Halifax Regional Municipality. Proposals are evaluated on their imagination, practicality, and potential value to the community.

Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: May 31

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Maritime Hobbies and Crafts Bursary

This bursary, donated by Maritime Hobbies and Crafts, provides financial assistance to a full-time student entering the winter term of the Bachelor of Environmental Design Studies program or Master of Architecture program in the School of Architecture. The selection is made by the School of Architecture Scholarship Committee.

Eligibility: Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Medjuck Architectural Design Scholarship

The Centennial Group of Companies Limited established this award for a student with an outstanding record in Design in year three of the BEDS program. The successful applicant is selected at the year-end review in April and receives the scholarship at the start of the next academic term, in May. Application not required.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information
Application Deadline: September 30
Value: \$1,000

The Newfoundland and Labrador Association of Architects William J. Ryan Memorial Scholarship

The Newfoundland and Labrador Association of Architects established this award to an Architecture student entering year four of the BEDS program who was born in Newfoundland and Labrador or had lived in the province for a minimum of three years prior to entrance into a university in the province, and who demonstrates: (a) the best design ability through assigned projects; (b) practicality of design and ability to show that he or she can make the solution workable; (c) aptitude for a particular or several aspects, other than design of architecture and the built environment; (d) an indication of the development of professional ability; (e) highest overall marks in classes of study other than design; (f) financial need, if candidate is equal to others in at least three of the other criteria.

Application Type: Automatic Consideration – No Application Required
Value: \$2,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application
Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Lezlie Oler Prize in Community and Environmental Design

This prize is presented to one or more students in the Bachelor of Community Design program or the Bachelor of Environmental Design Studies program, based on a design proposal for urban beautification in the Halifax Regional Municipality.

Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University.

Application Type: Contact the Department, School, or College for more information
Application Deadline: December 10
Value: \$1,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Salvatore Paradise Scholarship

Two scholarships are awarded to a full-time fourth year Bachelor of Environmental Design Studies student and a full-time fifth year Master of Architecture student. They are based on the students' practicality of design, collaboration, improvement during the architecture program, and financial need. Preference is given to students who are permanent residents of Atlantic Canada and who show potential for managing a private practice in architecture. Application deadlines: first week of January (BEDS) and first week of May (MARCH).

Eligibility: Available to full-time students in the Bachelor of Environmental Design Studies or Master of Architecture programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information
Value: \$4,500

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information
Application Deadline: April 30
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of

a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Shaw Group Environmental Design Scholarship

In the 1960s, The Shaw Group Limited established an award for the student in the School of Architecture who has derived the greatest benefit from Design courses during year three of the Bachelor of Environmental Design Studies program. To be eligible for this award, a student must have been born in, and have a permanent residence in, Atlantic Canada. The recipient is selected at the year-end review in April and receives the scholarship at the start of the next academic term in May.

Application Type: Automatic Consideration – No Application Required

Value: \$2,500

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Community Design

This medal is awarded annually to the graduate who has attained the highest academic standing in Community Design.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Architecture

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Architecture and Planning Bursaries

Proceeds from the former TUNS Board of Governors Fund are used at the Dean's discretion. They provide up to five \$1,000 bursaries to assist full-time students entering the winter term of the Bachelor of Environmental Design Studies or Master of Architecture program in the School of Architecture or the Bachelor of Community Design or Master of Planning program in the School of Planning. Applicants must be making satisfactory academic progress and must demonstrate financial need by submitting a bursary application. Selections are made by the Scholarship Committees of the School of Architecture and the School of Planning.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Bachelor of Environmental Design Studies Year Four Portfolio Prize

A prize is awarded to the student who has produced the best design portfolio at the end of year four in the BEDS program.

Application Type: Automatic Consideration – No Application Required

Bachelor of Environmental Design Studies Year Three Portfolio Prize

A prize is awarded to the student who has produced the best design portfolio at the end of year three in the BEDS program.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will

be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Barry and Margo Johns Family Bursary

This bursary, donated by Barry Johns (BArch 1972), provides financial assistance to a student entering the B5 term of the BEDS program. Applicants must be making satisfactory academic progress and must demonstrate financial need by submitting a bursary application. The selection is made by the School of Architecture Scholarship Committee.

Eligibility: Available to current students in the Bachelor of Environmental Design Studies program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering.

The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Harry Kitz Fund

Interest from the fund, established in memory of the late Harry Kitz, is used to support one or more students in the Faculty of Architecture and Planning to undertake supervised planning, design, or construction activities on public property in the Halifax Regional Municipality. Proposals are evaluated on their imagination, practicality, and potential value to the community.

Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: May 31

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Maritime Hobbies and Crafts Bursary

This bursary, donated by Maritime Hobbies and Crafts, provides financial assistance to a full-time student entering the winter term of the Bachelor of Environmental Design Studies program or Master of Architecture program in the School of Architecture. The selection is made by the School of Architecture Scholarship Committee.

Eligibility: Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Medjuck Architectural Design Scholarship

The Centennial Group of Companies Limited established this award for a student with an outstanding record in Design in year three of the BEDS program. The successful applicant is selected at the year-end review in April and receives the scholarship at the start of the next academic term, in May. Application not required.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

The Newfoundland and Labrador Association of Architects William J. Ryan Memorial Scholarship

The Newfoundland and Labrador Association of Architects established this award to an Architecture student entering year four of the BEDS program who was born in Newfoundland and Labrador or had lived in the province for a minimum of three years prior to entrance into a university in the province, and who demonstrates: (a) the best design ability through assigned projects; (b) practicality of design and ability to show that he or she can make the solution workable; (c) aptitude for a particular or several aspects, other than design of architecture and the built environment; (d) an indication of the development of professional ability; (e) highest overall marks in classes of study other than design; (f) financial need, if candidate is equal to others in at least three of the other criteria.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lezlie Oler Prize in Community and Environmental Design

This prize is presented to one or more students in the Bachelor of Community Design program or the Bachelor of Environmental Design Studies program, based on a design proposal for urban beautification in the Halifax Regional Municipality.
Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University.
Application Type: Contact the Department, School, or College for more information
Application Deadline: December 10
Value: \$1,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Salvatore Paradise Scholarship

Two scholarships are awarded to a full-time fourth year Bachelor of Environmental Design Studies student and a full-time fifth year Master of Architecture student. They are based on the students' practicality of design, collaboration, improvement during the architecture program, and financial need. Preference is given to students who are permanent residents of Atlantic Canada and who show potential for managing a private practice in architecture. Application deadlines: first week of January (BEDS) and first week of May (MARCH).
Eligibility: Available to full-time students in the Bachelor of Environmental Design Studies or Master of Architecture programs at Dalhousie University.
Application Type: Contact the Department, School, or College for more information
Value: \$4,500

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.
Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Contact the Department, School, or College for more information
Application Deadline: April 30
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Shaw Group Environmental Design Scholarship

In the 1960s, The Shaw Group Limited established an award for the student in the School of Architecture who has derived the greatest benefit from Design courses during year three of the Bachelor of Environmental Design Studies program. To be eligible for this award, a student must have been born in, and have a permanent residence in, Atlantic Canada. The recipient is selected at the year-end review in April and receives the scholarship at the start of the next academic term in May.

Application Type: Automatic Consideration – No Application Required

Value: \$2,500

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Planning

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science,

Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Architecture and Planning Bursaries

Proceeds from the former TUNS Board of Governors Fund are used at the Dean's discretion. They provide up to five \$1,000 bursaries to assist full-time students entering the winter term of the Bachelor of Environmental Design Studies or Master of Architecture program in the School of Architecture or the Bachelor of Community Design or Master of Planning program in the School of Planning. Applicants must be making satisfactory academic progress and must demonstrate financial need by submitting a bursary application. Selections are made by the Scholarship Committees of the School of Architecture and the School of Planning.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Community Design Achievement Award (third year)

This prize is awarded to the student with the highest cumulative average in the third year of the Community Design program.
Application Type: Automatic Consideration – No Application Required

Community Design Service Prize

The prize is awarded to a graduating Community Design student who has made a significant contribution to community design beyond the School.
Application Type: Automatic Consideration – No Application Required

Community Design Thesis Prize

This prize is given in recognition of excellent work in completing the thesis project for the Bachelor of Community Design.
Application Type: Automatic Consideration – No Application Required

Community Design Achievement Award (second year)

This prize is awarded to the student with the highest cumulative average in the second year of the Community Design program.
Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.
Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Harry Kitz Fund

Interest from the fund, established in memory of the late Harry Kitz, is used to support one or more students in the Faculty of Architecture and Planning to undertake supervised planning, design, or construction activities on public property in the Halifax Regional Municipality. Proposals are evaluated on their imagination, practicality, and potential value to the community.

Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: May 31

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lezlie Oler Prize in Community and Environmental Design

This prize is presented to one or more students in the Bachelor of Community Design program or the Bachelor of Environmental Design Studies program, based on a design proposal for urban beautification in the Halifax Regional Municipality.

Eligibility: Available to undergraduate students in the Faculty of Architecture and Planning at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: December 10

Value: \$1,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Salvatore Paradise Scholarship

Two scholarships are awarded to a full-time fourth year Bachelor of Environmental Design Studies student and a full-time fifth year Master of Architecture student.

They are based on the students' practicality of design, collaboration, improvement during the architecture program, and financial need. Preference is given to students who are permanent residents of Atlantic Canada and who show potential for managing a private practice in architecture. Application deadlines: first week of January (BEDS) and first week of May (MArch).

Eligibility: Available to full-time students in the Bachelor of Environmental Design Studies or Master of Architecture programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$4,500

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have

satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Community Design

This medal is awarded annually to the graduate who has attained the highest academic standing in Community Design.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Arts and Social Sciences

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Arts and Social Sciences Awards

The James H. Aitchison Award

In 1979, colleagues of Dr. J. H. Aitchison established a fund from which an annual prize would be awarded in recognition of the best undergraduate honours essay. The fund was established to honour Professor Aitchison who was instrumental in founding the Department.

Application Type: Automatic Consideration – No Application Required

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons

apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Prix de l'Alliance française

An annual book prize awarded to a third or fourth year student who has achieved outstanding results in the study of French language and literature. Suitable candidates are proposed by the Department before March 15. This award is open to students who have demonstrated excellence in their studies while showing interest in both French and Francophone language and culture. The award is bestowed at an official ceremony in the Spring. The Alliance française is an internationally renowned non-profit organization with a mission to promote French language and culture.

Application Type: Automatic Consideration – No Application Required

Prix de l'Ambassadeur de Suisse au Canada

A book prize, the gift of the Ambassador of Switzerland in Canada, is awarded to a graduating student who has won distinction by their work in the French language.

This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Atlantic Barber Shop Harmony Award

The Nova Scotia Chapter of the Society for the Presentation and Encouragement of Barber Shop Quartet Singing in America has established a fund to award an annual prize to a student enrolled in an undergraduate degree program in Music, who, in the estimation of the School, demonstrates outstanding aptitude and achievement leading to a professional career in an aspect of choral music (conducting, composing, arranging, singing, etc.) Normally awarded to a fourth year student, with the discretion of the School it may be used as a Graduation Prize.

Application Type: Automatic Consideration – No Application Required

The Atlantic World History Scholarship

Before air travel and telecommunications, oceans connected the communities that encircled them. This scholarship was created by Dalhousie History graduate Susan Bugey to encourage excellent senior students whose undergraduate studies have focused on the history of the social, cultural, economic and political worlds across and around the Atlantic Ocean. Recipients will have taken at least one of the History Department's second year survey courses in Atlantic World history, as well as two or more other courses with substantial Atlantic World content. This scholarship is awarded annually.

Application Type: Automatic Consideration – No Application Required

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

Barbara Bennett Chittick Prize

This prize is awarded annually to an outstanding first year student enrolled in introductory English at Dalhousie University. Section instructors will normally make nominations, which shall consist of a letter from the instructor on why the student should receive the award, the student's final grade, and a sample essay. The prize winner will be determined by a selection committee consisting of one member of the Undergraduate Committee and the co-ordinator of tutor-markers in the English Department.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Allan and Lura Bevan Memorial Scholarship

Colleagues and friends of the late Allan Bevan have established a memorial scholarship. The scholarship is to be awarded, in the first place, to a student in the Major program (that is a student entering the third or fourth year of the Majors program). In the absence of a suitable candidate from the Major program, the scholarship will be awarded to a student entering the third or fourth year of the Honours program. If there are no suitable candidates from English, the selection will be made by the School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Blackmore Award

This award was created by Neptune Theatre of Halifax to honour scenic carpenters John and William Blackmore. The award is given to a student in his or her third year of a Theatre BA program who has shown promise in and passion for work in Technical Theatre and Stage Design.

Application Type: Automatic Consideration – No Application Required

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Bornoff/Garamie Memorial String Scholarship

A scholarship will be given to a student who is entering the third or fourth year of a music degree program who in the opinion of the Fountain School of Performing Arts has demonstrated outstanding talent as a string player. The fund was established to honour the memory of two significant string music teachers, George Bornoff and Arthur Garamie.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Professor Ray D. Byham Memorial Prize in Piano Studies

A prize established with donations made by family, colleagues, and friends of Professor Ray D. Byham, who taught at Dalhousie from 1969-1993, to provide one (or more) annual prize(s) to a student(s) entering fourth year piano studies. The prize will be used to provide financial assistance toward continued piano performance studies at Dalhousie, a recognized piano-intensive workshop, a chamber music festival, or similar event. The recipient will have a cumulative GPA of not less than 3.3, with at least two years prior, consecutive residency in the Dalhousie Bachelor of Music (Piano Performance) program or equivalent.

Application Type: Automatic Consideration – No Application Required

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

James and Abbie Campbell Memorial Scholarships

A bequest from the late Elsie Alma MacAloney of Halifax made provision for the establishment of the James and Abbie Campbell Memorial Fund. The purpose of this fund is to promote the University's music program through scholarships in music. Academically sound students who have demonstrated competency in music will be selected by the Fountain School of Performing Arts for one of several James and Abbie Campbell Music Scholarships. Other music students will be selected on the basis of their overall academic standing by the Registrar's Office. The fund also provides in- course scholarships.

Application Type: Automatic Consideration – No Application Required

Dr. Sue Campbell Memorial Bursary

Provide a bursary to one or more undergraduate fourth year student(s) enrolled in the Department of Philosophy and/or undergraduate fourth year student(s) from any other program at Dalhousie who have taken at least two courses in the Department of Philosophy.

Eligibility: Available to current fourth year students at Dalhousie University. Applicants will have demonstrated financial need and satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Marcelle Cendres Sandhu Memorial Prize

Colleagues, friends, and students of the late Marcelle Cendres Sandhu have established an annual prize to be awarded to a Major or Honours student in the Department of French who achieves excellence in third or fourth year French grammar courses.

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

Sylvia Coffey Memorial Award

The Sylvia Coffey Memorial Award is given to a female Spanish and Latin American Studies student studying in one of our programs abroad in Latin America.

Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Commonwealth History Prize

To facilitate and encourage the study of Commonwealth or British history, this prize is awarded annually for the best undergraduate essay on a topic relating to the history of Britain and/or the Commonwealth countries. The prize is funded by a gift from Dr. David Jessop and Dr. Karen Ostergaard.

Application Type: Automatic Consideration – No Application Required

Commonwealth Political Philosophy Prize

Established by John W. Beveridge (BA Hon 1971) for students who demonstrate interest and achievement in the field of political philosophy. The prize name derives from Commonwealth, understood as society and government that endeavours to serve and represent community, without tending towards a totalitarian system. This prize is awarded annually to the student who has achieved the highest grade in a course on political philosophy/the Foundations of Political Thought.

Application Type: Automatic Consideration – No Application Required

Prix du Consul du Liban

A book prize, the gift of the Consul of Lebanon, is awarded to a graduating student who has demonstrated excellence in their work in the French language. This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

Costume Studies Scholarship

Awarded annually to a full-time student in the final year of the Costume Studies Program.

Application Type: Automatic Consideration – No Application Required

Graham Creighton Prize in English

Established by his son, Wilfrid Creighton, this prize is to honour the memory of Graham Creighton, 1904 graduate of Dalhousie. Graham Creighton and his wife raised six children in their home on LeMarchant Street. All six children attended Dalhousie and graduated between 1915 and 1927. This prize is awarded annually to students majoring in English or in Honours English and entering their fourth year of study.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Honourable L. D. Currie Memorial Scholarship in Music

The Scots North British Society established this scholarship in memory of the Honourable Lauchlin D. Currie in 1971. An annual scholarship in the amount of \$1,000 is available to a Canadian in any year of Music. The successful student will have demonstrated competence in vocal or instrumental performance.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

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Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Dalhousie Alumni Association (Women’s Division) Medal in Music

The Women’s Division provides an annual medal to the graduating student who achieves the highest cumulative GPA in music subjects over the four year Bachelor of Music degree.

Application Type: Automatic Consideration – No Application Required

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Dalhousie Women's Alumnae Prize in Music

This prize is presented to the graduating student who has achieved a high cumulative average in music subjects during the four year Bachelor of Music degree program.

Application Type: Automatic Consideration – No Application Required

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Beatrice Daviss Music Prize

A fund has been established by members of the Dalhousie community to mark Women's Centennial Year (1985) at the University. The purpose of the fund is to provide an annual in-course prize to a female student in the Bachelor of Music program on the combined basis of high academic standing and performance ability. The prize is named after the first graduate in music in 1909.

Application Type: Automatic Consideration – No Application Required

The de Carteret Memorial Prize

Established as a gift in memory of the late Norman S. and Helier S. de Carteret and their sister, Phyllis de Carteret Nielsen, the de Carteret Memorial Prize is to be awarded on the recommendation of the Executive Committee of the Department to an outstanding student in the Department of Spanish and Latin American Studies.

Application Type: Automatic Consideration – No Application Required

The Eric Dennis Gold Medal

Founded by Senator William Dennis and Mrs. Dennis, this medal will be awarded on graduation to the student who stands first among those taking First Class Honours in Government and Political Science. (This is the University Medal in Political Science.)

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social

Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Evanov Radio Group Scholarship

A scholarship will be awarded to a student in the third or fourth year of the Bachelor of Music concentration in Composition. To be eligible, students must demonstrate artistic excellence and a commitment to performing arts in the community.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie. Applicants must be Canadian citizens or permanent residents of Canada and studying Composition.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

James A. Faraday Memorial Music Award

This annual scholarship is for a percussion student in the third or fourth year of a Music degree program. To be considered, students must demonstrate a high standard of performance, a love of music, a positive attitude, and a collaborative spirit. The Fountain School of Performing Arts committee will work in consultation with faculty members from the percussion program to choose an eligible student. The award will be made in the spring of each year. This award was established by family and friends to honour the memory of James A. Faraday, percussion teacher, mentor, and friend, who inspired students at Dalhousie for over 30 years.

Application Type: Automatic Consideration – No Application Required

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The French Department Scholarship

This scholarship is awarded to students entering the third or fourth year of a major or an honours program in French and who have spent a year studying in France. The award is based on meritorious performance in French courses. At the discretion of the Department, the scholarship may also be awarded to outstanding students who have not studied abroad. This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

The Elvira Gonnella Scholarship in Voice

Upon the recommendation of the voice faculty, this scholarship may be awarded to a voice student entering his/her third or fourth year of a music degree program, who has demonstrated an outstanding level of performance and exceptional potential for a professional singing career. This scholarship is given by former faculty member Elvira Gonnella, in gratitude for having had the privilege of teaching music at Dalhousie.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

The Edith and Rose Goodman Prize in History

The late Mrs. Jeanette Goodman bequested to Dalhousie University funds for a prize(s) for the highest standing in Canadian History. The prize is awarded on the recommendation of the Department of History.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lyn Gratwick-Theatre Arts Guild Scholarship in Costume Studies

To honour the memory of Lyn Gratwick, this scholarship is awarded annually to one (or more) students in the Fountain School of Performing Arts' Costume Studies Program who has demonstrated artistic excellence in costume-making for theatre and who intend(s) to pursue a career as a costumer for a professional theatre company or an historic site.

Eligibility: Available to a student in the Costume Studies Program.

Application Type: Contact the Department, School, or College for more information

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Halifax Ladies Musical Club Scholarship

The Halifax Ladies Musical Club sponsors an annual scholarship for a first year student in Music at Dalhousie.

Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$700

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ernest and Dorothy Heighton Memorial Prize

A prize established through bequests received from the estates of the late Dr. Ernest Heighton and his wife Dorothy, in the spirit of their keen interest and support for Dalhousie's Applied Skills training programs and for the public performances of its students. Preference will be given to an outstanding student in the third or fourth year of the Bachelor of Music in Performance with a focus on Jazz and Improvisation.

Application Type: Automatic Consideration – No Application Required

Value: \$400

The Reverend J. B. Hibbitts Memorial Prize

To honour the memory of a scholar, donor, and friend of the department, this prize is awarded annually to the graduating student with the highest overall honours GPA.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. James E. Holloway, Jr. Memorial Prize

The Holloway Memorial Prize is awarded to a graduating student with an honours degree (completed in the Department of Spanish and Latin American Studies) who has written a thesis with a focus upon Latin America.

Application Type: Automatic Consideration – No Application Required

Dr. Rosemary Theresa Holton and Stephen A. Holton Bursary

Provides financial assistance for one or more undergraduate students who are majoring in English.

Eligibility: Available to current students who are English majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Lorne C. Huber Memorial Prize in Music

This prize is awarded annually from a fund in memory of the late Major Lorne C. Huber established by his widow and family, to an undergraduate Music student of outstanding potential in brass performance.

Application Type: Automatic Consideration – No Application Required

Value: \$100

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Gilbert F. Jennex History Scholarship

This annual in-course scholarship created by Dalhousie History graduate Gilbert F. Jennex will be awarded to an undergraduate student in her or his third year of study with a concentration in History. Preference will be given to students whose area of interest is the Atlantic World and its relationship to the study of Atlantic Canada.

Application Type: Automatic Consideration – No Application Required

Sonia Jones Scholarship

The Sonia Jones Scholarship provides assistance to advanced students of Spanish and Latin American Studies (honours or major) who are studying abroad in programs approved by the University.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must Spanish and Latin American Studies majors.

Application Type: Contact the Department, School, or College for more information

Jopling Award for Out of Country Theatre Studies

Earnings from this fund are used to support an annual award to assist students enrolled in the Fountain School of Performing Arts to further their knowledge of Theatre by study in another country during the summer. Eligible students must be enrolled full-time in a program of study in the Fountain School of Performing Arts and have completed at least one year (both fall and winter semesters) of their program of study. In addition, eligible students will have been accepted to study Theatre at an institution in a country other than Canada.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must Theatre majors.

Application Type: Contact the Department, School, or College for more information

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Laurel V. King Scholarship

This scholarship has been established by Laurel V. King to reward students who have been particularly motivated by the discipline of History to achieve academic excellence. The scholarship is awarded annually to a student in the second or subsequent year of her degree program. The recipient will have History as a subject of concentration, will have shown good academic ability, and will have shown an excellent level of performance in History courses. Preference is given to a female student.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Nicole Knox Award

This award was established by family, friends, faculty, and students, to honour the memory of Nicole Knox. This award is given annually to the student who has achieved the highest success in the study of both Latin and Greek languages.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and

grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Kim Rilda LeBlanc Memorial Award in Healing and the Arts

This award was established to recognize outstanding interdisciplinary initiatives between the arts and the health sciences, and it honours the memory of this former graduate student in English. Faculty may nominate students who have completed an outstanding project, thesis, or research essay that combines work in the humanities or the arts with work in medicine or health care.

Eligibility: Available to undergraduate and graduate students in the Faculties of Arts & Social Sciences, Health Professions, and Medicine.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Samantha Li Award

The Samantha Li Memorial Award was established by family, friends, faculty, and students to Honour the memory of Samantha Li by supporting the annual prize for a student in the Honours program in English. The recipient chosen will most closely reflect the academic and personal qualities of Samantha Li: intellectual reach and creativity, a passion for the exploration of literature and ideas and generosity toward and engagement with fellow students and professors.

Application Type: Automatic Consideration – No Application Required

Value: \$350

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles and Mary MacLennan Bursary in Music

Established to honour the memory of Charles G. MacLennan, who was active in the musical life of Dalhousie University, and his wife Mary Jackson MacLennan, who had a lifelong interest in amateur theatre. Two bursaries are awarded annually to undergraduate students in Music who have shown artistic excellence in music (vocal, instrumental, or other). Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie University. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$2,500

Charles and Mary MacLennan Bursary in Theatre

Established to honour the memory of Charles G. MacLennan, who was active in the musical life of Dalhousie University, and his wife, Mary Jackson MacLennan, who had a lifelong interest in amateur theatre. Two bursaries are awarded annually to undergraduate students in Theatre who have shown artistic excellence in theatre (acting, writing, design, etc.). Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie University. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students who are Theatre majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Sophie MacLeod Memorial Bursary

Sophie MacLeod (1901-2001) received a Bachelor of Arts from Dalhousie in 1925. She enjoyed a long and distinguished career in teaching and for many years taught English at Bloomfield School in Halifax. This bursary is awarded annually to students majoring in English or undertaking a double major or combined honours degree with English as one of their focuses.

Eligibility: Available to current students who are English majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Archibald MacMechan Chapter/IODE Scholarship in English

This scholarship was presented to Dalhousie University as an endowment by the Archibald MacMechan Chapter, Imperial Order Daughters of the Empire. It is awarded to a Dalhousie student of special ability in English, and preference is given to graduates who intended to study for a Master's degree in English. Students registered at the University of King's College are not eligible.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Mohini Mathur Memorial Bursary in Indian Philosophical Systems

This bursary celebrates the interests of Mohini Mathur in Indian philosophical systems and is to be awarded to a student who demonstrates a genuine interest in furthering their study in Hindu Religion or Indian philosophy and those systems of thought and intellectual culture emerging from the Indian subcontinent. The award was established in the memory of Mrs. Mohini Mathur by her family. Mohini was born on 17 March 1939 in Patna, India. She was an educator with a passion for higher learning. She immigrated to Canada in 1969 to join her husband Kripa Shanker Mathur, P. Eng. They brought up two children, their son Dave and daughter Sunita. Mohini was a lifelong learner and maintained an active interest in religion, astronomy, and philosophy. Until her death in 2011, she was a student of Religion and Philosophy at Dalhousie University.

Eligibility: Available to an undergraduate or graduate student with a sincere and demonstrated interest in achieving higher education in the study of Indian thought and ideas and with a clear plan to continue in this field of scholarship and plans to publish or present the results of their studies at an academic conference. The recipient will have demonstrated financial need and satisfactory academic standing.

Application Type: Contact the Faculty for more information

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The H. B. McCulloch Memorial Prize in Political Science

This prize will be awarded annually to the student who, among all the first and second year students registered in introductory courses in political science, is judged to have written the best essay in the second term.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Prof. and Mrs. Robert Lloyd McIntosh Prize in French

This fund provides an annual prize for a major or honours student in the Department of French who has demonstrated a superior level of achievement in the core courses required for second year major and honours students. Currently these courses are FREN2045, FREN2201 and FREN2202.

Application Type: Automatic Consideration – No Application Required

Paul McIsaac Memorial Prize

A memorial gift provides for an annual prize for an undergraduate student who shows an enquiring and original mind, in the second or third year of study in the honours or majors program in English.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Ian Lamont McLachlan Jazz Scholarship

Established in honour of Ian Lamont McLachlan, MA '99, this award is given to a second year music student in the Fountain School of Performing Arts who demonstrates a high level of artistic potential or achievement as a jazz musician. The student must be a member of the Dalhousie Jazz Ensemble.

Eligibility: Recipients must be second year music students in the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

Elisabeth Meyerhof Scholarship in Music

An annual scholarship awarded to the student entering the fourth year of his/her undergraduate degree program in Music who has achieved a high average in the music classes of the first three years and who in the opinion of the School has demonstrated exceptional promise for a professional career as an instrumentalist in the performance of classical music (including early music). If no instrumentalist qualifies, a voice student would be considered.

Eligibility: Available to current students entering fourth year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,500

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Ruth Murray Scholarship for French Studies

An endowment fund has been established to honour the memory of Mrs. Ruth Murray by providing scholarships to students in the Department of French. These scholarships are open to undergraduate students who are academically sound and who are participating in a departmental program abroad. At the discretion of the Department, the fund may also be used to provide financial assistance for on-campus students majoring in French who have demonstrated above average academic ability. This award is conferred at a Departmental ceremony in the spring.

Eligibility: Available to current students completing a major or honours degree in French at Dalhousie. See award description for specific eligibility requirements.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Nicoll Pond Memorial Prize in English

A prize in English has been endowed by Mr. F. H. Pond of Halifax in memory of his wife, the late Margaret Nicoll Pond, a gifted teacher of English and a devoted alumna and governor of Dalhousie University. The prize will be awarded on recommendation of the Department to a woman graduate of Dalhousie University who leads her class in English.

Application Type: Automatic Consideration – No Application Required

Value: \$500

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.

Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The F. Hilton Page Memorial Prize in Philosophy

This annual prize is normally awarded to the honours graduate whose Honours essay is judged to be outstanding.

Application Type: Automatic Consideration – No Application Required

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Erik Perth Memorial Award

An award established to honour the memory of Erik Perth, a former Director of Cultural Activities at Dalhousie University. An annual prize will be awarded to a female vocal student who has completed the third year of a Bachelor of Music, or Bachelor of Arts Combined Honours, Music and Theatre, and who, in the opinion of the School, has demonstrated both outstanding achievement in vocal performance, and an aptitude for a career in opera and/or musical theatre. The prize will be awarded in conjunction with the opening night performance of the annual Opera Workshop.

Eligibility: Available to female students completing third year of the Bachelor of Arts or Bachelor of Music programs at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Dr. David Peters Music Scholarship

This scholarship in music has been established by Dr. David Peters. It will be awarded annually to a student in an undergraduate Music degree program who, in the opinion of the Fountain School of Performing Arts, demonstrates outstanding achievement in organ, piano, harpsichord, or keyboard performance, choral music, or other church performance.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$400

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Rev. S. H. Prince Prize in Sociology

A bequest under the will of the late Dr. S. H. Prince established a fund to provide an annual prize to be available to students at either Dalhousie or King's.

Application Type: Automatic Consideration – No Application Required

Prize of the Ambassador of Austria in Canada, Prize of the Ambassador of Switzerland in Canada, and the Prize of the Ambassador of Germany in Canada

The Austrian, German and Swiss embassies in Canada regularly offer German language books to the Department to be awarded to Dalhousie students whose achievement in German is outstanding. Awards are made at various levels of proficiency.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Richardson Family Performing Arts Scholarship - Music

A scholarship will be awarded to a Music student, based on nominations from faculty members. Students must be in their third or fourth year of a Music degree program and have a GPA of 2.70 in first and second year music classes. Students must demonstrate artistic excellence and a commitment to performing arts in the community. Preference will be given to students in financial need, as determined by the School. This award was established by Bill Richardson, a graduate of Dalhousie's Law School, and by Colin and Debbie Richardson, both of whom worked in support of numerous music student productions in the Dalhousie Arts Centre.
Application Type: Automatic Consideration – No Application Required
Value: \$2,000

Richardson Family Performing Arts Scholarships - Theatre

Four scholarships awarded annually to Theatre students entering their third or fourth year of Theatre study, one in each of the following areas: Acting, Costume Studies, Technical Theatre, and Theatre Studies. Eligible students must demonstrate artistic excellence and have career aspirations focused on performing arts.
Application Type: Automatic Consideration – No Application Required

Richardson Family Experiential Learning Award

This award provides financial aid for Music students who are attending experiential learning workshops, festivals and conferences, based on nomination from department faculty members. Preference will be made to grant one award for a student accepted in the Halifax Summer Opera Festival, or successor program, and the other award to a student accepted into the Scotia Festival of Music, or successor program. This annually funded award was established by Bill Richardson, a graduate of Dalhousie's Schulich School of Law, and by Colin and Debbie Richardson, both of whom worked in support of numerous music student productions in the Dalhousie Arts Centre.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Effie May Ross Scholarships in Music

An endowment fund, established under the will of the late Effie May Ross, supports scholarships to outstanding vocalists or instrumentalists with advanced standing in degree programs in Music. Scholarships range in value and number and are awarded at the discretion of the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

The Royal Saint George's Society of Halifax Prize in Music

The Royal Saint George's Society of Halifax has established a prize in recognition of the University's successful role in the musical training and cultural enrichment of the community. This prize will be awarded annually to a student entering the third or fourth year of an undergraduate degree program in music who, in the estimation of the School, shows particular potential in an orchestral instrument.

Application Type: Automatic Consideration – No Application Required

Sabah Metlej French Scholarship

This fund provides an annual prize for a major or honours student in the Department of French, who is raising a family. Students must show enthusiasm toward the study of French and exemplary effort in their studies. In the event no student fits these criteria, the scholarship may be awarded to a student who has demonstrated academic excellence and enthusiasm towards the study of French.

Eligibility: Available to current students completing a major or honours degree in French at Dalhousie. See award description for specific eligibility requirements.

Application Type: Automatic Consideration – No Application Required

Morris Saffron Prize

A bequest under the will of the late Morris Saffron established an endowment to provide an annual prize to a student in the Transition Year Program who is judged to have made the greatest academic achievement during the year.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Jonathan Skeete Memorial Prize

Friends, faculty and former students of the Transition Year Program have established an endowment from which to fund an annual prize. The award honours the memory of Jonathan Skeete who, following completion of the TYP, graduated with a BComm degree and then served several years with the RCMP. An annual prize is available to a Black student who is enrolled in the Transition Year Program.

Eligibility: Available to current Black students in the Transition Year Program at the College of Continuing Education.

Application Type: Contact the Department, School, or College for more information

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Department of Spanish and Latin American Studies Citizenship Award

The Citizenship Award recognizes the contributions of an individual to build a community atmosphere within the Department of Spanish and Latin American Studies.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. H. L. Stewart Memorial Scholarship

This prize is awarded to the student with the best record entering the final year of an honours Philosophy degree program.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kathleen Stewart Memorial Bursary in Music

An annual in-course bursary to one (or more) undergraduate student(s) in a Music degree program who demonstrate financial need and have shown academic excellence as demonstrated by GPA in relevant courses. The bursary is awarded to a student in their second, third or fourth year of Music studies. First preference will be given to students studying Piano and second preference will be given to students studying Voice. If there are no eligible students in these areas of study, the award may be granted to a Music performance student in any discipline. This award was created by family and friends in honour of Kathleen Stewart who was a passionate supporter of Dalhousie from 1954 until her death in 2008. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Andrew and David Stitt Memorial Prize

To honour the memory of Theatre students Andrew and David Stitt, two prizes will be awarded annually to two students entering the third year of the Acting Program who have shown promise in, and passion for, acting.

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Theatre Awards Fund

This fund supports four awards to recognize the achievements of outstanding students in the Fountain School of Performing Arts Theatre programs: the Basil Cook Award for students in Costume Studies, the Blanche Potter Award for students in Technical Theatre, the Martin Surette Award for students in Acting, and the Robert Merritt Award for students in Theatre Studies. The award will normally be made during the student's third year of study in the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

The Georg Tintner Prize

This fund was established by family, colleagues, and friends, to honour the musical legacy and spirit of Dr. Georg Tintner, conductor and Music Director of Symphony Nova Scotia (1987-1994) and devoted supporter of Dalhousie's Music performance activities. An annual prize will be awarded to an instrumental or voice student enrolled in a Music degree program who, in the estimation of an audition panel, demonstrates exceptional musical talent with the potential for a professional performance career. The prize will be awarded at the annual Concerto Night concert.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The William Tritt Recital Prize

The School of Performing Arts may, upon the recommendation of the Piano Faculty, award this prize to a piano student who has demonstrated a high level of performance on his/her third year or graduation recital. This prize will be awarded only when it is deemed warranted. This award is named after the late Canadian pianist and Dalhousie faculty member, William Tritt.

Application Type: Automatic Consideration – No Application Required

The William Tritt/Scotia Festival Memorial Prize

This prize is awarded upon the recommendation of the Piano Faculty to a senior level Piano student who has achieved a high standard of performance. This prize is to be applied to tuition costs for participation in the Young Artists Program of the Scotia Festival of Music. This award is named after the late Canadian pianist and Dalhousie faculty member, William Tritt.

Application Type: Automatic Consideration – No Application Required

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Canadian Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in Classics

The Department of Classics offers to the top First Class Honours graduate in the Classics program a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Contemporary Studies

The Department of Contemporary Studies offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Creative Writing

Awarded to the top First Class Honours graduate for recognition of superior achievement in Creative Writing.

Application Type: Automatic Consideration – No Application Required

University Medal in Early Modern Studies

The Department of Early Modern Studies offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in English

Each year the Department of English offers a medal to the top First Class Honours graduate in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Medal in European Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in French

The top First Class Honours graduate will receive the University Medal in French, in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Gender and Women's Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in German

The Department of German offers a medal to the top First Class Honours graduate in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in History

To the top First Class Honours graduate the Department of History offers a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in History of Science and Technology

The History of Science and Technology program offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in International Development Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in Italian Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in Linguistics

Halifax Interuniversity Linguistics Program offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Music

The Fountain School of Performing Arts offers a medal to the highest ranking student of the year who graduates with the equivalent of a First Class Honours degree in the Bachelor of Music program.

Application Type: Automatic Consideration – No Application Required

University Medal in Philosophy

The Department of Philosophy offers a medal to the top First Class Honours graduate in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Medal in Religious Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Medal in Russian Studies

The Department of Russian Studies offers to the top First Class Honours graduate a medal in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Medal in Social Anthropology

The Department of Sociology and Social Anthropology offers a medal to the top First Class Honours graduate in the Social Anthropology program in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Sociology

The Department of Sociology and Social Anthropology offers a medal to the top First Class Honours graduate in the Sociology program in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Spanish and Latin American Studies

The Department of Spanish and Latin American Studies offers a medal to the top First Class Honours graduate in recognition of superior achievement in the Spanish and Latin American Studies program.

Application Type: Automatic Consideration – No Application Required

University Medal in Theatre

The Department of Theatre offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Varma Prizes in Gothic Literature

These prizes were established to honour the memory and spirit of the late Devendra Varma who taught at Dalhousie University in the Department of English.

Applicants should be undergraduate English majors or honours English students. Prizes shall be awarded to the winners of a gothic short story contest.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must English majors.

Application Type: Contact the Department, School, or College for more information

Walker Wood Foundation Theatre Bursary

The Foundation will provide a four year renewable bursary to a student planning on majoring in Theatre. The student must major in Theatre, be in good standing, and must be Canadian Citizen with a demonstrated financial need. Preference will be given to a student entering directly from a high school in Atlantic Canada.

Eligibility: Available to students entering the Bachelor of Arts program as Theatre majors at Dalhousie.

Application Type: General Entrance Award Application

Application Deadline: October 15

The George E. Wilson Memorial Scholarship

On the occasion of the 50th anniversary of the graduation of the Class of 1930, a representative announced the establishment of a scholarship fund. The scholarships, in honour of Professor Wilson, are open to students in History.

Application Type: Automatic Consideration – No Application Required

The Dr. George E. Wilson Prize in History

In 1967 an endowment was established to provide an annual prize for the best essay by a first year student in a first year course.

Application Type: Automatic Consideration – No Application Required

Women's Division - Dalhousie Alumni Association Medal in Costume Studies

This medal is presented annually to the graduating student with the highest cumulative GPA in the Costume Studies Program.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Dr. Don Wright Scholarship in Music

The Dr. Don Wright Scholarship fund will provide annual scholarships to outstanding full-time students in the third or fourth year of an undergraduate music degree who demonstrate a consistently high level of achievement in all of their studies. Priority will be given to students concentrating in Music instruction or students who demonstrate a particular interest in/intend to continue their studies in the area of music education.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at the Fountain School of Performing Arts.

Application Type: Contact the Department, School, or College for more information

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Christine Zinck Scholarships

Four scholarships awarded annually in each of the four streams of Theatre: Acting, Costume Studies, Technical Theatre, and Theatre Studies.

Application Type: Automatic Consideration – No Application Required

Christine Zinck Book Award

This award recognizes an outstanding graduating honours student in Theatre Studies.

Application Type: Automatic Consideration – No Application Required

Tietje Zonneveld Scholarship in Piano Studies

Tietje Zonneveld was a member of the Music faculty at Dalhousie from 1976 until her retirement in 2004. An annual scholarship will be awarded to an undergraduate student entering third year of the Bachelor of Music (Piano Performance) program or equivalent. If there are no eligible third year students in a given year, consideration may be given to a fourth year student.

Eligibility: Available to current students entering third year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Canadian Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with

preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raeffe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raeffe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian

descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae. Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students

must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Canadian Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Classics

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high

schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nicole Knox Award

This award was established by family, friends, faculty, and students, to honour the memory of Nicole Knox. This award is given annually to the student who has achieved the highest success in the study of both Latin and Greek languages.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.
Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.
Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be

residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Classics

The Department of Classics offers to the top First Class Honours graduate in the Classics program a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Creative Writing

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial

need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.
Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.
Application Type: Contact the International Centre for more information
Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.
Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.
Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.
Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raeffe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raeffe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Creative Writing

Awarded to the top First Class Honours graduate for recognition of superior achievement in Creative Writing.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one

page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

English

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

Barbara Bennett Chittick Prize

This prize is awarded annually to an outstanding first year student enrolled in introductory English at Dalhousie University. Section instructors will normally make nominations, which shall consist of a letter from the instructor on why the student should receive the award, the student's final grade, and a sample essay. The prize winner will be determined by a selection committee consisting of one member of the Undergraduate Committee and the co-ordinator of tutor-markers in the English Department.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Allan and Lura Bevan Memorial Scholarship

Colleagues and friends of the late Allan Bevan have established a memorial scholarship. The scholarship is to be awarded, in the first place, to a student in the Major program (that is a student entering the third or fourth year of the Majors program). In the absence of a suitable candidate from the Major program, the scholarship will be awarded to a student entering the third or fourth year of the Honours program. If there are no suitable candidates from English, the selection will be made by the School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Graham Creighton Prize in English

Established by his son, Wilfrid Creighton, this prize is to honour the memory of Graham Creighton, 1904 graduate of Dalhousie. Graham Creighton and his wife raised six children in their home on LeMarchant Street. All six children attended Dalhousie and graduated between 1915 and 1927. This prize is awarded annually to students majoring in English or in Honours English and entering their fourth year of study.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who

attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Rosemary Theresa Holton and Stephen A. Holton Bursary

Provides financial assistance for one or more undergraduate students who are majoring in English.

Eligibility: Available to current students who are English majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Samantha Li Award

The Samantha Li Memorial Award was established by family, friends, faculty, and students to Honour the memory of Samantha Li by supporting the annual prize for a student in the Honours program in English. The recipient chosen will most closely reflect the academic and personal qualities of Samantha Li: intellectual reach and creativity, a passion for the exploration of literature and ideas and generosity toward and engagement with fellow students and professors.

Application Type: Automatic Consideration – No Application Required

Value: \$350

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.
Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.
Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

The Sophie MacLeod Memorial Bursary

Sophie MacLeod (1901-2001) received a Bachelor of Arts from Dalhousie in 1925. She enjoyed a long and distinguished career in teaching and for many years taught English at Bloomfield School in Halifax. This bursary is awarded annually to students majoring in English or undertaking a double major or combined honours degree with English as one of their focuses.
Eligibility: Available to current students who are English majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Archibald MacMechan Chapter/IODE Scholarship in English

This scholarship was presented to Dalhousie University as an endowment by the Archibald MacMechan Chapter, Imperial Order Daughters of the Empire. It is awarded to a Dalhousie student of special ability in English, and preference is given to graduates who intended to study for a Master's degree in English. Students registered at the University of King's College are not eligible.
Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Paul McIsaac Memorial Prize

A memorial gift provides for an annual prize for an undergraduate student who shows an enquiring and original mind, in the second or third year of study in the honours or majors program in English.
Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Nicoll Pond Memorial Prize in English

A prize in English has been endowed by Mr. F. H. Pond of Halifax in memory of his wife, the late Margaret Nicoll Pond, a gifted teacher of English and a devoted alumna and governor of Dalhousie University. The prize will be awarded on recommendation of the Department to a woman graduate of Dalhousie University who leads her class in English.

Application Type: Automatic Consideration – No Application Required
Value: \$500

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.
Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.
Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.
Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in English

Each year the Department of English offers a medal to the top First Class Honours graduate in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Varma Prizes in Gothic Literature

These prizes were established to honour the memory and spirit of the late Devendra Varma who taught at Dalhousie University in the Department of English.

Applicants should be undergraduate English majors or honours English students. Prizes shall be awarded to the winners of a gothic short story contest.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must English majors.

Application Type: Contact the Department, School, or College for more information

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and

death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social

Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial

need and have satisfactory academic standing.
Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of

a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where

she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in European Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

French

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Prix de l'Alliance française

An annual book prize awarded to a third or fourth year student who has achieved outstanding results in the study of French language and literature. Suitable candidates are proposed by the Department before March 15. This award is open to students who have demonstrated excellence in their studies while showing interest in both French and Francophone language and culture. The award is bestowed at an official ceremony in the Spring. The Alliance française is an internationally renowned non-profit organization with a mission to promote French language and culture.

Application Type: Automatic Consideration – No Application Required

Prix de l'Ambassadeur de Suisse au Canada

A book prize, the gift of the Ambassador of Switzerland in Canada, is awarded to a graduating student who has won distinction by their work in the French language.

This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.
Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.
Eligibility: Available to any undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.
Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.
Application Type: See dal.ca/scholarships for more information
Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.
Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Marcelle Cendres Sandhu Memorial Prize

Colleagues, friends, and students of the late Marcelle Cendres Sandhu have established an annual prize to be awarded to a Major or Honours student in the Department of French who achieves excellence in third or fourth year French grammar courses.

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Prix du Consul du Liban

A book prize, the gift of the Consul of Lebanon, is awarded to a graduating student who has demonstrated excellence in their work in the French language. This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The French Department Scholarship

This scholarship is awarded to students entering the third or fourth year of a major or an honours program in French and who have spent a year studying in France. The award is based on meritorious performance in French courses. At the discretion of the Department, the scholarship may also be awarded to outstanding students who have not studied abroad. This award is conferred at a Departmental ceremony in the spring.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do

something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria

County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Prof. and Mrs. Robert Lloyd McIntosh Prize in French

This fund provides an annual prize for a major or honours student in the Department of French who has demonstrated a superior level of achievement in the core courses required for second year major and honours students. Currently these courses are FREN2045, FREN2201 and FREN2202.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Ruth Murray Scholarship for French Studies

An endowment fund has been established to honour the memory of Mrs. Ruth Murray by providing scholarships to students in the Department of French. These scholarships are open to undergraduate students who are academically sound and who are participating in a departmental program abroad. At the discretion of the Department, the fund may also be used to provide financial assistance for on-campus students majoring in French who have demonstrated above average academic ability. This award is conferred at a Departmental ceremony in the spring.

Eligibility: Available to current students completing a major or honours degree in French at Dalhousie. See award description for specific eligibility requirements.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Sabah Metlej French Scholarship

This fund provides an annual prize for a major or honours student in the Department of French, who is raising a family. Students must show enthusiasm toward the study of French and exemplary effort in their studies. In the event no student fits these criteria, the scholarship may be awarded to a student who has demonstrated academic excellence and enthusiasm towards the study of French.

Eligibility: Available to current students completing a major or honours degree in French at Dalhousie. See award description for specific eligibility requirements.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first

year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in French

The top First Class Honours graduate will receive the University Medal in French, in recognition of superior achievement.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Gender and Women's Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year

courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of

second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Gender and Women's Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

German

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or

more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assist a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or

interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MackKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Prize of the Ambassador of Austria in Canada, Prize of the Ambassador of Switzerland in Canada, and the Prize of the Ambassador of Germany in Canada

The Austrian, German and Swiss embassies in Canada regularly offer German language books to the Department to be awarded to Dalhousie students whose achievement in German is outstanding. Awards are made at various levels of proficiency.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in German

The Department of German offers a medal to the top First Class Honours graduate in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

History

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Atlantic World History Scholarship

Before air travel and telecommunications, oceans connected the communities that encircled them. This scholarship was created by Dalhousie History graduate Susan Buggey to encourage excellent senior students whose undergraduate studies have focused on the history of the social, cultural, economic and political worlds across and around the Atlantic Ocean. Recipients will have taken at least one of the History Department's second year survey courses in Atlantic World history, as well as two or more other courses with substantial Atlantic World content. This scholarship is awarded annually.

Application Type: Automatic Consideration – No Application Required

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the

Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Commonwealth History Prize

To facilitate and encourage the study of Commonwealth or British history, this prize is awarded annually for the best undergraduate essay on a topic relating to the history of Britain and/or the Commonwealth countries. The prize is funded by a gift from Dr. David Jessop and Dr. Karen Ostergaard.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

The Edith and Rose Goodman Prize in History

The late Mrs. Jeanette Goodman bequested to Dalhousie University funds for a prize(s) for the highest standing in Canadian History. The prize is awarded on the recommendation of the Department of History.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Gilbert F. Jennex History Scholarship

This annual in-course scholarship created by Dalhousie History graduate Gilbert F. Jennex will be awarded to an undergraduate student in her or his third year of study with a concentration in History. Preference will be given to students whose area of interest is the Atlantic World and its relationship to the study of Atlantic Canada.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Laurel V. King Scholarship

This scholarship has been established by Laurel V. King to reward students who have been particularly motivated by the discipline of History to achieve academic excellence. The scholarship is awarded annually to a student in the second or subsequent year of her degree program. The recipient will have History as a subject of concentration, will have shown good academic ability, and will have shown an excellent level of performance in History courses. Preference is given to a female

student.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MackKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original

requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in History

To the top First Class Honours graduate the Department of History offers a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The George E. Wilson Memorial Scholarship

On the occasion of the 50th anniversary of the graduation of the Class of 1930, a representative announced the establishment of a scholarship fund. The scholarships, in honour of Professor Wilson, are open to students in History.

Application Type: Automatic Consideration – No Application Required

The Dr. George E. Wilson Prize in History

In 1967 an endowment was established to provide an annual prize for the best essay by a first year student in a first year course.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

International Development Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the

government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.
Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”
Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.
Application Type: General Entrance Award Application
Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.
Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.
Eligibility: Available to Dalhousie and King's students taking part in an international placement.
Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.
Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in International Development Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Italian Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who

have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of

criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Italian Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Linguistics

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application
Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application
Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.
Application Type: General Online Bursary Application
Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.
Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.
Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Linguistics

Halifax Interuniversity Linguistics Program offers to the top First Class Honours graduate a medal in recognition of superior achievement.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Music - Fountain School of Performing Arts

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Atlantic Barber Shop Harmony Award

The Nova Scotia Chapter of the Society for the Presentation and Encouragement of Barber Shop Quartet Singing in America has established a fund to award an annual prize to a student enrolled in an undergraduate degree program in Music, who, in the estimation of the School, demonstrates outstanding aptitude and achievement leading to a professional career in an aspect of choral music (conducting, composing, arranging, singing, etc.) Normally awarded to a fourth year student, with the discretion of the School it may be used as a Graduation Prize.

Application Type: Automatic Consideration – No Application Required

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Allan and Lura Bevan Memorial Scholarship

Colleagues and friends of the late Allan Bevan have established a memorial scholarship. The scholarship is to be awarded, in the first place, to a student in the Major program (that is a student entering the third or fourth year of the Majors program). In the absence of a suitable candidate from the Major program, the scholarship will be awarded to a student entering the third or fourth year of the Honours program. If there are no suitable candidates from English, the selection will be made by the School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Bornoff/Garamie Memorial String Scholarship

A scholarship will be given to a student who is entering the third or fourth year of a music degree program who in the opinion of the Fountain School of Performing Arts has demonstrated outstanding talent as a string player. The fund was established to honour the memory of two significant string music teachers, George Bornoff and Arthur Garamie.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Professor Ray D. Byham Memorial Prize in Piano Studies

A prize established with donations made by family, colleagues, and friends of Professor Ray D. Byham, who taught at Dalhousie from 1969-1993, to provide one (or more) annual prize(s) to a student(s) entering fourth year piano studies. The prize will be used to provide financial assistance toward continued piano performance studies at Dalhousie, a recognized piano-intensive workshop, a chamber music festival, or similar event. The recipient will have a cumulative GPA of not less than 3.3, with at least two years prior, consecutive residency in the Dalhousie Bachelor of Music (Piano Performance) program or equivalent.

Application Type: Automatic Consideration – No Application Required

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

James and Abbie Campbell Memorial Scholarships

A bequest from the late Elsie Alma MacAloney of Halifax made provision for the establishment of the James and Abbie Campbell Memorial Fund. The purpose of this fund is to promote the University's music program through scholarships in music. Academically sound students who have demonstrated competency in music will be selected by the Fountain School of Performing Arts for one of several James and Abbie Campbell Music Scholarships. Other music students will be selected on the basis of their overall academic standing by the Registrar's Office. The fund also provides in- course scholarships.

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Honourable L. D. Currie Memorial Scholarship in Music

The Scots North British Society established this scholarship in memory of the Honourable Lauchlin D. Currie in 1971. An annual scholarship in the amount of \$1,000 is available to a Canadian in any year of Music. The successful student will have demonstrated competence in vocal or instrumental performance.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Honourable L. D. Currie Memorial Scholarship in Music

The Scots North British Society established this scholarship in memory of the Honourable Lauchlin D. Currie in 1971. An annual scholarship is available to a Canadian in any year of Music. The successful student will have demonstrated competence in vocal or instrumental performance.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

Dalhousie Alumni Association (Women's Division) Medal in Music

The Women's Division provides an annual medal to the graduating student who achieves the highest cumulative GPA in music subjects over the four year Bachelor of Music degree.

Application Type: Automatic Consideration – No Application Required

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Dalhousie Women's Alumnae Prize in Music

This prize is presented to the graduating student who has achieved a high cumulative average in music subjects during the four year Bachelor of Music degree program.

Application Type: Automatic Consideration – No Application Required

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Beatrice Daviss Music Prize

A fund has been established by members of the Dalhousie community to mark Women's Centennial Year (1985) at the University. The purpose of the fund is to provide an annual in-course prize to a female student in the Bachelor of Music program on the combined basis of high academic standing and performance ability. The prize is named after the first graduate in music in 1909.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Evanov Radio Group Scholarship

A scholarship will be awarded to a student in the third or fourth year of the Bachelor of Music concentration in Composition. To be eligible, students must demonstrate artistic excellence and a commitment to performing arts in the community.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie. Applicants must be Canadian citizens or permanent residents of Canada and studying Composition.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

James A. Faraday Memorial Music Award

This annual scholarship is for a percussion student in the third or fourth year of a Music degree program. To be considered, students must demonstrate a high standard of performance, a love of music, a positive attitude, and a collaborative spirit. The Fountain School of Performing Arts committee will work in consultation with faculty members from the percussion program to choose an eligible student. The award will be made in the spring of each year. This award was established by family and friends to honour the memory of James A. Faraday, percussion teacher, mentor, and friend, who inspired students at Dalhousie for over 30 years.

Application Type: Automatic Consideration – No Application Required

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

The Elvira Gonnella Scholarship in Voice

Upon the recommendation of the voice faculty, this scholarship may be awarded to a voice student entering his/her third or fourth year of a music degree program, who has demonstrated an outstanding level of performance and exceptional potential for a professional singing career. This scholarship is given by former faculty member Elvira Gonnella, in gratitude for having had the privilege of teaching music at Dalhousie.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Halifax Ladies Musical Club Scholarship

The Halifax Ladies Musical Club sponsors an annual scholarship for a first year student in Music at Dalhousie.

Eligibility: Available to students entering first year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$700

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ernest and Dorothy Heighton Memorial Prize

A prize established through bequests received from the estates of the late Dr. Ernest Heighton and his wife Dorothy, in the spirit of their keen interest and support for Dalhousie's Applied Skills training programs and for the public performances of its students. Preference will be given to an outstanding student in the third or fourth year of the Bachelor of Music in Performance with a focus on Jazz and Improvisation.

Application Type: Automatic Consideration – No Application Required

Value: \$400

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Lorne C. Huber Memorial Prize in Music

This prize is awarded annually from a fund in memory of the late Major Lorne C. Huber established by his widow and family, to an undergraduate Music student of outstanding potential in brass performance.

Application Type: Automatic Consideration – No Application Required

Value: \$100

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application
Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles and Mary MacLennan Bursary in Music

Established to honour the memory of Charles G. MacLennan, who was active in the musical life of Dalhousie University, and his wife Mary Jackson MacLennan, who had a lifelong interest in amateur theatre. Two bursaries are awarded annually to undergraduate students in Music who have shown artistic excellence in music (vocal, instrumental, or other). Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie University. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$2,500

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Ian Lamont McLachlan Jazz Scholarship

Established in honour of Ian Lamont McLachlan, MA '99, this award is given to a second year music student in the Fountain School of Performing Arts who demonstrates a high level of artistic potential or achievement as a jazz musician. The student must be a member of the Dalhousie Jazz Ensemble.

Eligibility: Recipients must be second year music students in the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

Elisabeth Meyerhof Scholarship in Music

An annual scholarship awarded to the student entering the fourth year of his/her undergraduate degree program in Music who has achieved a high average in the music classes of the first three years and who in the opinion of the School has demonstrated exceptional promise for a professional career as an instrumentalist in the performance of classical music (including early music). If no instrumentalist qualifies, a voice student would be considered.

Eligibility: Available to current students entering fourth year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,500

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Erik Perth Memorial Award

An award established to honour the memory of Erik Perth, a former Director of Cultural Activities at Dalhousie University. An annual prize will be awarded to a female vocal student who has completed the third year of a Bachelor of Music, or Bachelor of Arts Combined Honours, Music and Theatre, and who, in the opinion of the

School, has demonstrated both outstanding achievement in vocal performance, and an aptitude for a career in opera and/or musical theatre. The prize will be awarded in conjunction with the opening night performance of the annual Opera Workshop.

Eligibility: Available to female students completing third year of the Bachelor of Arts or Bachelor of Music programs at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Dr. David Peters Music Scholarship

This scholarship in music has been established by Dr. David Peters. It will be awarded annually to a student in an undergraduate Music degree program who, in the opinion of the Fountain School of Performing Arts, demonstrates outstanding achievement in organ, piano, harpsichord, or keyboard performance, choral music, or other church performance.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$400

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Richardson Family Performing Arts Scholarship - Music

A scholarship will be awarded to a Music student, based on nominations from faculty members. Students must be in their third or fourth year of a Music degree program and have a GPA of 2.70 in first and second year music classes. Students must demonstrate artistic excellence and a commitment to performing arts in the community. Preference will be given to students in financial need, as determined by the School. This award was established by Bill Richardson, a graduate of Dalhousie's Law School, and by Colin and Debbie Richardson, both of whom worked in support of numerous music student productions in the Dalhousie Arts Centre.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Richardson Family Experiential Learning Award

This award provides financial aid for Music students who are attending experiential learning workshops, festivals and conferences, based on nomination from department faculty members. Preference will be made to grant one award for a student accepted in the Halifax Summer Opera Festival, or successor program, and the other award to a student accepted into the Scotia Festival of Music, or successor program. This annually funded award was established by Bill Richardson, a graduate of Dalhousie's Schulich School of Law, and by Colin and Debbie Richardson, both of whom worked in support of numerous music student productions in the Dalhousie Arts Centre.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Effie May Ross Scholarships in Music

An endowment fund, established under the will of the late Effie May Ross, supports scholarships to outstanding vocalists or instrumentalists with advanced standing in degree programs in Music. Scholarships range in value and number and are awarded at the discretion of the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

The Royal Saint George's Society of Halifax Prize in Music

The Royal Saint George's Society of Halifax has established a prize in recognition of the University's successful role in the musical training and cultural enrichment of the community. This prize will be awarded annually to a student entering the third or fourth year of an undergraduate degree program in music who, in the estimation of the School, shows particular potential in an orchestral instrument.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kathleen Stewart Memorial Bursary in Music

An annual in-course bursary to one (or more) undergraduate student(s) in a Music degree program who demonstrate financial need and have shown academic excellence as demonstrated by GPA in relevant courses. The bursary is awarded to a student in their second, third or fourth year of Music studies. First preference will be given to students studying Piano and second preference will be given to students studying Voice. If there are no eligible students in these areas of study, the award

may be granted to a Music performance student in any discipline. This award was created by family and friends in honour of Kathleen Stewart who was a passionate supporter of Dalhousie from 1954 until her death in 2008. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Georg Tintner Prize

This fund was established by family, colleagues, and friends, to honour the musical legacy and spirit of Dr. Georg Tintner, conductor and Music Director of Symphony Nova Scotia (1987-1994) and devoted supporter of Dalhousie's Music performance activities. An annual prize will be awarded to an instrumental or voice student enrolled in a Music degree program who, in the estimation of an audition panel, demonstrates exceptional musical talent with the potential for a professional performance career. The prize will be awarded at the annual Concerto Night concert.

Eligibility: Available to current students in the Bachelor of Music program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The William Tritt Recital Prize

The School of Performing Arts may, upon the recommendation of the Piano Faculty, award this prize to a piano student who has demonstrated a high level of performance on his/her third year or graduation recital. This prize will be awarded only when it is deemed warranted. This award is named after the late Canadian pianist and Dalhousie faculty member, William Tritt.

Application Type: Automatic Consideration – No Application Required

The William Tritt/Scotia Festival Memorial Prize

This prize is awarded upon the recommendation of the Piano Faculty to a senior level Piano student who has achieved a high standard of performance. This prize is to be applied to tuition costs for participation in the Young Artists Program of the Scotia Festival of Music. This award is named after the late Canadian pianist and Dalhousie faculty member, William Tritt.

Application Type: Automatic Consideration – No Application Required

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Music

The Fountain School of Performing Arts offers a medal to the highest ranking student of the year who graduates with the equivalent of a First Class Honours degree in the Bachelor of Music program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Dr. Don Wright Scholarship in Music

The Dr. Don Wright Scholarship fund will provide annual scholarships to outstanding full-time students in the third or fourth year of an undergraduate music degree who demonstrate a consistently high level of achievement in all of their studies. Priority will be given to students concentrating in Music instruction or students who demonstrate a particular interest in/intend to continue their studies in the area of music education.

Eligibility: Available to current students entering third or fourth year of the Bachelor of Music program at the Fountain School of Performing Arts.

Application Type: Contact the Department, School, or College for more information

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Tietje Zonneveld Scholarship in Piano Studies

Tietje Zonneveld was a member of the Music faculty at Dalhousie from 1976 until her retirement in 2004. An annual scholarship will be awarded to an undergraduate student entering third year of the Bachelor of Music (Piano Performance) program or equivalent. If there are no eligible third year students in a given year, consideration may be given to a fourth year student.

Eligibility: Available to current students entering third year of the Bachelor of Music program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Philosophy

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.
Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.
Eligibility: Available to any undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.
Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.
Application Type: See dal.ca/scholarships for more information
Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.
Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.
Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.
Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.
Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.
Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.
Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information
Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Dr. Sue Campbell Memorial Bursary

Provide a bursary to one or more undergraduate fourth year student(s) enrolled in the Department of Philosophy and/or undergraduate fourth year student(s) from any other program at Dalhousie who have taken at least two courses in the Department of Philosophy.

Eligibility: Available to current fourth year students at Dalhousie University. Applicants will have demonstrated financial need and satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.
Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Mohini Mathur Memorial Bursary in Indian Philosophical Systems

This bursary celebrates the interests of Mohini Mathur in Indian philosophical systems and is to be awarded to a student who demonstrates a genuine interest in furthering their study in Hindu Religion or Indian philosophy and those systems of thought and intellectual culture emerging from the Indian subcontinent. The award was established in the memory of Mrs. Mohini Mathur by her family. Mohini was born on 17 March 1939 in Patna, India. She was an educator with a passion for higher learning. She immigrated to Canada in 1969 to join her husband Kripa Shanker Mathur, P. Eng. They brought up two children, their son Dave and daughter Sunita. Mohini was a lifelong learner and maintained an active interest in religion, astronomy, and philosophy. Until her death in 2011, she was a student of Religion and Philosophy at Dalhousie University.

Eligibility: Available to an undergraduate or graduate student with a sincere and demonstrated interest in achieving higher education in the study of Indian thought and ideas and with a clear plan to continue in this field of scholarship and plans to publish or present the results of their studies at an academic conference. The recipient will have demonstrated financial need and satisfactory academic standing.

Application Type: Contact the Faculty for more information

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The F. Hilton Page Memorial Prize in Philosophy

This annual prize is normally awarded to the honours graduate whose Honours essay is judged to be outstanding.

Application Type: Automatic Consideration – No Application Required

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the

Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. H. L. Stewart Memorial Scholarship

This prize is awarded to the student with the best record entering the final year of an honours Philosophy degree program.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Philosophy

The Department of Philosophy offers a medal to the top First Class Honours graduate in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Political Science

The James H. Aitchison Award

In 1979, colleagues of Dr. J. H. Aitchison established a fund from which an annual prize would be awarded in recognition of the best undergraduate honours essay. The fund was established to honour Professor Aitchison who was instrumental in founding the Department.

Application Type: Automatic Consideration – No Application Required

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences,

Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Commonwealth Political Philosophy Prize

Established by John W. Beveridge (BA Hon 1971) for students who demonstrate interest and achievement in the field of political philosophy. The prize name derives from Commonwealth, understood as society and government that endeavours to serve and represent community, without tending towards a totalitarian system. This prize is awarded annually to the student who has achieved the highest grade in a course on political philosophy/the Foundations of Political Thought.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Eric Dennis Gold Medal

Founded by Senator William Dennis and Mrs. Dennis, this medal will be awarded on graduation to the student who stands first among those taking First Class Honours in Government and Political Science. (This is the University Medal in Political Science.)

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who

have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.
Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.
Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”
Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.
Application Type: General Entrance Award Application
Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.
Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.
Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.
Application Type: General Online Bursary Application
Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.
Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.
Application Type: General Online Bursary Application
Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The H. B. McCulloch Memorial Prize in Political Science

This prize will be awarded annually to the student who, among all the first and second year students registered in introductory courses in political science, is judged to have written the best essay in the second term.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.
Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Religious Studies

University Medal in Religious Studies

A University Medal has been established for the student with the highest standing among those who graduate with First Class Honours.
Application Type: Automatic Consideration – No Application Required

Russian Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional

details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are

domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to

provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College

of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Russian Studies

The Department of Russian Studies offers to the top First Class Honours graduate a medal in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Sociology and Social Anthropology

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.
Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.
Eligibility: Available to any undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.
Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.
Application Type: See dal.ca/scholarships for more information
Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.
Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have

satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.
Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.
Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).
Application Type: General Online Bursary Application
Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."
Application Type: General Online Bursary Application
Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.
Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Rev. S. H. Prince Prize in Sociology

A bequest under the will of the late Dr. S. H. Prince established a fund to provide an annual prize to be available to students at either Dalhousie or King's.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of

a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where

she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Social Anthropology

The Department of Sociology and Social Anthropology offers a medal to the top First Class Honours graduate in the Social Anthropology program in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Sociology

The Department of Sociology and Social Anthropology offers a medal to the top First Class Honours graduate in the Sociology program in recognition of superior

achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Spanish and Latin American Studies

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

Sylvia Coffey Memorial Award

The Sylvia Coffey Memorial Award is given to a female Spanish and Latin American Studies student studying in one of our programs abroad in Latin America.

Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The de Carteret Memorial Prize

Established as a gift in memory of the late Norman S. and Helier S. de Carteret and their sister, Phyllis de Carteret Nielsen, the de Carteret Memorial Prize is to be awarded on the recommendation of the Executive Committee of the Department to an outstanding student in the Department of Spanish and Latin American Studies.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Reverend J. B. Hibbitts Memorial Prize

To honour the memory of a scholar, donor, and friend of the department, this prize is awarded annually to the graduating student with the highest overall honours GPA.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. James E. Holloway, Jr. Memorial Prize

The Holloway Memorial Prize is awarded to a graduating student with an honours degree (completed in the Department of Spanish and Latin American Studies) who has written a thesis with a focus upon Latin America.

Application Type: Automatic Consideration – No Application Required

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hyman I. Jacobson Scholarship

Under the will of the late Hyman Isaac Jacobson a bequest of \$5,000 was given to the University to benefit the Humanities and Social Sciences.

Eligibility: Available to an entering or current undergraduate student in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Sonia Jones Scholarship

The Sonia Jones Scholarship provides assistance to advanced students of Spanish and Latin American Studies (honours or major) who are studying abroad in programs approved by the University.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must Spanish and Latin American Studies majors.

Application Type: Contact the Department, School, or College for more information

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and

Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie."

Application Type: General Online Bursary Application
Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the

College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering,

Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Department of Spanish and Latin American Studies Citizenship Award

The Citizenship Award recognizes the contributions of an individual to build a community atmosphere within the Department of Spanish and Latin American Studies.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova

Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Spanish and Latin American Studies

The Department of Spanish and Latin American Studies offers a medal to the top First Class Honours graduate in recognition of superior achievement in the Spanish and Latin American Studies program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Theatre - Fountain School of Performing Arts

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.
Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.
Eligibility: Available to any undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.
Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.
Application Type: See dal.ca/scholarships for more information
Application Deadline: July 31

Allan and Lura Bevan Memorial Scholarship

Colleagues and friends of the late Allan Bevan have established a memorial scholarship. The scholarship is to be awarded, in the first place, to a student in the Major program (that is a student entering the third or fourth year of the Majors program). In the absence of a suitable candidate from the Major program, the scholarship will be awarded to a student entering the third or fourth year of the Honours program. If there are no suitable candidates from English, the selection will be made by the School of Performing Arts.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Blackmore Award

This award was created by Neptune Theatre of Halifax to honour scenic carpenters John and William Blackmore. The award is given to a student in his or her third year of a Theatre BA program who has shown promise in and passion for work in Technical Theatre and Stage Design.

Application Type: Automatic Consideration – No Application Required

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Clan Ramsay of Nova Scotia Prize

To provide an annual prize to the student in the Faculty of Arts and Social Sciences who has written the best paper dealing with (any aspect of) the influence of Scottish culture within Canada. This award was established by the Clan Ramsay in Nova Scotia in recognition of the contribution of George Ramsay, 19th earl of Dalhousie, founder of Dalhousie University.

Eligibility: Available to current students in the Faculty of Arts and Social Sciences program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Costume Studies Scholarship

Awarded annually to a full-time student in the final year of the Costume Studies Program.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Frederick J. Gaudet Scholarship

Dr. Gaudet bequeathed to the University in 1978 a sum of money to provide for a scholarship in Arts.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lyn Gratwick-Theatre Arts Guild Scholarship in Costume Studies

To honour the memory of Lyn Gratwick, this scholarship is awarded annually to one (or more) students in the Fountain School of Performing Arts' Costume Studies Program who has demonstrated artistic excellence in costume-making for theatre and who intend(s) to pursue a career as a costumer for a professional theatre company or an historic site.

Eligibility: Available to a student in the Costume Studies Program.

Application Type: Contact the Department, School, or College for more information

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

R. J. Hill Bursary

This award was created with a gift from Ronald James Hill.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Eric Stanley Hillis Memorial Bursary

An annual bursary for a student enrolled in the second, third, or fourth year of a Bachelor of Arts degree.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Jopling Award for Out of Country Theatre Studies

Earnings from this fund are used to support an annual award to assist students enrolled in the Fountain School of Performing Arts to further their knowledge of Theatre by study in another country during the summer. Eligible students must be enrolled full-time in a program of study in the Fountain School of Performing Arts and have completed at least one year (both fall and winter semesters) of their program of study. In addition, eligible students will have been accepted to study Theatre at an institution in a country other than Canada.

Eligibility: Available to current students in the Bachelor of Arts program at Dalhousie. Applicants must Theatre majors.

Application Type: Contact the Department, School, or College for more information

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to

Dalhousie University in 1921 of \$6,500 to endow scholarships.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.
Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.
Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.
Application Type: General Online Bursary Application
Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.
Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.
Application Type: General Online Bursary Application
Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.
Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles and Mary MacLennan Bursary in Theatre

Established to honour the memory of Charles G. MacLennan, who was active in the musical life of Dalhousie University, and his wife, Mary Jackson MacLennan, who had a lifelong interest in amateur theatre. Two bursaries are awarded annually to undergraduate students in Theatre who have shown artistic excellence in theatre (acting, writing, design, etc.). Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie University. Applicants will apply to the general online bursary program as well as to the Fountain School of Performing Arts.

Eligibility: Available to current students who are Theatre majors in the Bachelor of Arts program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nicholas M. MacLeod Memorial Scholarship

Under the will of Eva Eileen McLeod, this scholarship fund was established in memory of her late husband, Dalhousie alumnus Nicholas W. McLeod, for the purpose of funding entrance and in-course scholarships for students in the Faculty of Arts and Social Sciences.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Millar Bursary

Under the will of Dr. Ross Millar, the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually. It is stipulated that "Other things being equal, the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by

taking the Arts or Letters degree at Dalhousie.”
Application Type: General Online Bursary Application
Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Richardson Family Performing Arts Scholarships - Theatre

Four scholarships awarded annually to Theatre students entering their third or fourth year of Theatre study, one in each of the following areas: Acting, Costume Studies, Technical Theatre, and Theatre Studies. Eligible students must demonstrate artistic excellence and have career aspirations focused on performing arts.

Application Type: Automatic Consideration – No Application Required

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Andrew and David Stitt Memorial Prize

To honour the memory of Theatre students Andrew and David Stitt, two prizes will be awarded annually to two students entering the third year of the Acting Program who have shown promise in, and passion for, acting.

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Theatre Awards Fund

This fund supports four awards to recognize the achievements of outstanding students in the Fountain School of Performing Arts Theatre programs: the Basil Cook Award for students in Costume Studies, the Blanche Potter Award for students in Technical Theatre, the Martin Surette Award for students in Acting, and the Robert Merritt Award for students in Theatre Studies. The award will normally be made during the student's third year of study in the Fountain School of Performing Arts.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Theatre

The Department of Theatre offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Walker Wood Foundation Theatre Bursary

The Foundation will provide a four year renewable bursary to a student planning on majoring in Theatre. The student must major in Theatre, be in good standing, and must be Canadian Citizen with a demonstrated financial need. Preference will be given to a student entering directly from a high school in Atlantic Canada.

Eligibility: Available to students entering the Bachelor of Arts program as Theatre majors at Dalhousie.

Application Type: General Entrance Award Application

Application Deadline: October 15

Women's Division - Dalhousie Alumni Association Medal in Costume Studies

This medal is presented annually to the graduating student with the highest cumulative GPA in the Costume Studies Program.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Christine Zinck Scholarships

Four scholarships awarded annually in each of the four streams of Theatre: Acting, Costume Studies, Technical Theatre, and Theatre Studies.

Application Type: Automatic Consideration – No Application Required

Christine Zinck Book Award

This award recognizes an outstanding graduating honours student in Theatre Studies.

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Computer Science

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Computer Science Awards

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Ada Byron Award

The Ada Byron Award recognizes the leadership and contributions of an individual to increase and promote the involvement of women in Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Citizenship Award

The Citizenship Award recognizes the contributions of an individual to build a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her

own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry,

Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information
Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leadership Award

The Leadership Award recognizes the leadership and contributions of an individual in building a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mobil Oil Award

This award is given to the student with the highest GPA across CSCI 3120 and one of CSCI 3110 or CSCI 3111. Students are automatically assessed for the award at the end of the winter term or at their first eligibility.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Bruce and Dorothy Rossetti Scholarship - Gold Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$2,500

Bruce and Dorothy Rossetti Scholarship - Silver Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in

an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Bruce and Dorothy Rossetti Scholarship - Bronze Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$1,500

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where

she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Computer Science

A medal is awarded to the top First Class Honours graduate in both Bachelor of Computer Science and Bachelor Science in recognition of superior achievement in Computer Science.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Computer Science

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active

Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Ada Byron Award

The Ada Byron Award recognizes the leadership and contributions of an individual to increase and promote the involvement of women in Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Citizenship Award

The Citizenship Award recognizes the contributions of an individual to build a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Howard C. Clarke International Study Award

An endowment fund to assist a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application
Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leadership Award

The Leadership Award recognizes the leadership and contributions of an individual in building a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mobil Oil Award

This award is given to the student with the highest GPA across CSCI 3120 and one of CSCI 3110 or CSCI 3111. Students are automatically assessed for the award at the end of the winter term or at their first eligibility.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer

Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Bruce and Dorothy Rossetti Scholarship - Gold Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.
Application Type: Automatic Consideration – No Application Required
Value: \$2,500

Bruce and Dorothy Rossetti Scholarship - Silver Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.
Application Type: Automatic Consideration – No Application Required
Value: \$2,000

Bruce and Dorothy Rossetti Scholarship - Bronze Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.
Application Type: Automatic Consideration – No Application Required
Value: \$1,500

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.
Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.
Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.
Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Computer Science

A medal is awarded to the top First Class Honours graduate in both Bachelor of Computer Science and Bachelor Science in recognition of superior achievement in Computer Science.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Informatics

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available

through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Ada Byron Award

The Ada Byron Award recognizes the leadership and contributions of an individual to increase and promote the involvement of women in Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Citizenship Award

The Citizenship Award recognizes the contributions of an individual to build a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional

details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian

descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leadership Award

The Leadership Award recognizes the leadership and contributions of an individual in building a community atmosphere within the Faculty of Computer Science.

Eligibility: Available to undergraduate and graduate students registered in the Faculty of Computer Science.

Application Type: Contact the Faculty for more information

Application Deadline: Awarded by nomination in the fall term. Contact undergrad@cs.dal.ca for details.

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mobil Oil Award

This award is given to the student with the highest GPA across CSCI 3120 and one of CSCI 3110 or CSCI 3111. Students are automatically assessed for the award at the end of the winter term or at their first eligibility.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time

students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Bruce and Dorothy Rossetti Scholarship - Gold Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$2,500

Bruce and Dorothy Rossetti Scholarship - Silver Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$2,000

Bruce and Dorothy Rossetti Scholarship - Bronze Award

To recognize the academic achievements of the top three students who are entering second, third, and fourth years of study. To be eligible, students must be enrolled in an undergraduate major 20 credit program offered by the Faculty of Computer Science with at least 2.0 credits per term in the student's two academic terms prior to the award assessment; have completed at least five credits per year of study towards their computer science degree (including transfer credits), have completed all applicable CSCI core courses required that year and must have at least one academic term of 2.0 credits or more to complete for their computer science degree. All eligible students are automatically considered for these awards which are based solely on cumulative GPA. Students are assessed following the winter term.

Application Type: Automatic Consideration – No Application Required

Value: \$1,500

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Engineering Awards

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Atlantic Farm Mechanization Show Environmental Engineering (Entrance) Scholarship

The Atlantic Farm Mechanization Show established this award. Selection will be carried out by the Faculty of Engineering in consultation with the Chair of the Environmental Engineering program after students come to Dalhousie.

Eligibility: Available to students entering third year of the Environmental Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Atlantic Land Improvement Contractors Association/ Environmental Engineering Association Award

Presented annually to the student graduating in the Environmental Engineering program who had exhibited the greatest aptitude in the environmental engineering classes and who thus has demonstrated the greatest potential for a career in environmental engineering.

Application Type: Automatic Consideration – No Application Required

Value: \$750

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Chemical Engineering Medal

The Canadian Society for Chemical Engineering Medal is presented annually to the third year student in Chemical Engineering with the highest overall average during the third year of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Civil Engineering Certificate

In 1985, the Canadian Society for Civil Engineering established a Certificate of Achievement that is awarded annually to the student graduating in Civil Engineering with the highest aggregate in the last two years of study.

Application Type: Automatic Consideration – No Application Required

The Canadian Society of Mechanical Engineering Medal

The Canadian Society of Mechanical Engineering Medal is presented each year to the student graduating in Mechanical Engineering with the highest overall average.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Award

The Society sponsors an annual award consisting of a certificate and a one year student membership to an undergraduate student who has demonstrated outstanding competence in Petroleum Geology or closely related fields.

Application Type: Automatic Consideration – No Application Required

CBCL Limited, Consulting Engineers' Scholarship

CBCL Limited, Consulting Engineers established this award. The Scholarship is awarded primarily on the basis of the applicant's academic record. Other factors such as personality, initiative, community involvement, other awards held by the applicant, etc. may also weigh in the decision.

Eligibility: Available to students entering fourth or fifth year of Civil, Industrial, Mechanical, or Electrical Engineering programs (Bachelor of Engineering) at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Chamber of Mineral Resources of Nova Scotia Scholarship

Senior students from Acadia University, Dalhousie University, St. Francis Xavier University, or Saint Mary's University in a Geology or mining-related Bachelor degree program are considered for this scholarship. Selection is based upon the student's contribution to the development of the province's mineral resources sector as well as scholastic achievement.

Eligibility: Available to current students in the Faculties of Engineering and Science at studying Geology or Mining-related studies.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

Class of 1985 Award

The Class of 1985 Award is presented to the student graduating in Biological and Environmental Engineering programs who has exhibited the most outstanding qualities of scholarship, leadership, and personality during his/her course of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.

Eligibility: Available to students studying in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

The Dr. H. W. L. Doane, F. E. I. C. Scholarship

Nova Scotia Power Inc. established this scholarship in 1981 in recognition of dedicated service rendered by Dr. Doane as a member of the Nova Scotia Power's Board of Directors from 1953 to 1981. A distinguished engineer, Mr. Doane graduated from Dalhousie in 1913, was invested as an Honorary Doctor in 1957; was presented with the Sexton Memorial Award in 1964; and was honorary president of the University's Alumni Association. Basis is academic achievement, leadership ability and qualities of personality and character.

Eligibility: Available to students entering their final year of the Civil Engineering program (Bachelor of Engineering) at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$400

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

The Electrical and Computer Engineering Faculty Scholarship

Faculty Members of the Department of Electrical and Computer Engineering established this award. Selection is carried out by the Faculty of Engineering on the

recommendation of the Electrical and Computer Engineering Department.
Eligibility: Available to students entering third year of the Electrical Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.
Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.
Application Type: Contact the Department, School, or College for more information
Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.
Eligibility: Available to any Dalhousie student.
Application Type: Contact the Department, School, or College for more information
Value: \$100

Fairey Canada Scholarship

Fairey Canada Ltd. established this award. The award is based on the academic record of the applicant and the financial need. Applicants are expected to have an interest in some aspect of aviation.
Eligibility: Available to students entering fourth year of the Mechanical Engineering program at Dalhousie University, with preference given to permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$150

David F. Fanning Scholarship

Established in memory of David F. Fanning by his family and fellow members of the Civil Engineering class of 1980. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie. Preference will be given to a student who has displayed an interest in mathematical modeling and finite element analysis of structures.
Eligibility: Available to students entering fourth year of the Civil Engineering program at Dalhousie University. Applicants must be Canadian citizens.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Dean Flynn Memorial Prize

This prize consists of a medal which is awarded annually to the student graduating in Mining Engineering with the highest overall average in the program of studies at Dalhousie.
Application Type: Automatic Consideration – No Application Required

M. Roy Foran Scholarship

Dr. M. Roy Foran, Dean Emeritus of the Nova Scotia Technical College and Professor Emeritus of Chemical Engineering, began his career at Dalhousie as Assistant Professor of Chemistry in 1944. Three years later, he joined the Nova Scotia Technical College as one of the founding members of the Chemical Engineering Department. He served as Department Head for 20 years and then as Dean of Graduate Studies, a post he held until 1974. Dr. Foran then became Registrar of the Nova Scotia Technical College, a position he held until his retirement in 1977.
Eligibility: Available to students entering fourth or fifth (ultimate) year of the Chemical Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr. Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The James L. Hall Scholarship in Earth Sciences

This scholarship is awarded on the joint recommendation of the Faculty of Engineering and the Department of Earth Sciences, to a student who has completed his/her first year, who is planning on a career in the field of Mining Geology. The scholarship alternates between Earth Sciences and Engineering.

Application Type: Automatic Consideration – No Application Required

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

IEEE Medal

The Institution of Electrical and Electronics Engineers, Canadian Atlantic Section, provides a silver medal to the student graduating in Electrical Engineering with the highest overall average in the program of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Industrial Engineering Entrance Scholarships

Up to five scholarships, established by the Department of Industrial Engineering will be awarded to top-ranked students. An additional scholarship is awarded to a student entering Dalhousie who has selected the program of Industrial Engineering and who has achieved a high academic standing within his/her prior university studies. Participation in extracurricular activities will also be given consideration.

Eligibility: Available to students entering third year of the Industrial Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: up to \$2,000

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tadros Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to

the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

J. Douglas Kline Memorial Scholarship

The Halifax Water Commission established this award. The applicant must be involved in water-related studies in Civil Engineering. The scholarship is awarded on the basis of the applicant's record at Dalhousie University. While academic excellence will be the primary criterion for the award, the selection committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,500

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Value: \$5,000

Havard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Michael Lister Memorial Award

To honour the memory of Michael Lister (BEng 1997), and his love of engineering, this award is available to a student graduating in Mineral Resource Engineering who has achieved good academic standing, combined with leadership qualities and a strong work ethic.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Charles F. H. Macdonald Memorial Prize

The family of the late Charles F. H. Macdonald provided for a prize in his memory to be awarded each year to a student completing the Bachelor of Engineering program in Civil Engineering with a good academic average. The prize is awarded by the Scholarships and Awards Committee on the recommendation of the Chair of the Civil Engineering program.

Application Type: Automatic Consideration – No Application Required

Value: \$300

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The Donald MacFadgen Memorial Scholarship

The Mining Society of Nova Scotia has established this award. The award is made on the basis of merit and need, with preference given to students enrolled in the programs of Mineral Resource and Materials Engineering.

Eligibility: Available to students currently in third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Dr. G. David MacKay Scholarship

Dr. G. David MacKay received both his Bachelor of Engineering and his Master's degree in Engineering from the Nova Scotia Technical College in 1955 and 1959, respectively. He then went on to complete his PhD in Chemical Engineering from McGill University in 1962. He returned to the Nova Scotia Technical College in 1965 where he taught for 30 years. During this time he served as Department Head for 11 years (1968-79), founded the Centre for Energy Studies, was its Director from 1978-87 and served on numerous committees. He was named Professor Emeritus of the Technical University of Nova Scotia in 1994.

Eligibility: Available to students entering third year of the Chemical Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ira P. MacNab Prize

The late Dr. Ira P. MacNab, an alumnus of the University, provided funds for an annual award to be presented to the student graduating in Mechanical Engineering with the highest overall average in a program of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Value: \$75

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Dr. S. K. Malhotra Scholarship

The scholarship was established by his family and friends in memory of Dr. S. K. Malhotra, former Dean of Graduate Studies and Professor for Civil Engineering at Dalhousie from 1965 to 1990. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. Preference will be given to a student who had displayed an interest in structural engineering.

Eligibility: Available to students entering fourth year of the Civil Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,500

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Maritime and Northeast Pipeline Legacy Scholarship

Two scholarships are awarded annually to students, based on a minimum GPA of 3.00.

Eligibility: Available to students entering third year of the Chemical, Civil, Environmental, or Mechanical Engineering programs at Dalhousie University, with preference given to students who are permanent residents of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,500

Masontech Inc. - Bill Holland Civil Engineering Bursary

Bill Holland, an engineer and founder of Masontech Inc, established this bursary in 2010 to support engineering students beginning their second year of study in the Civil Engineering discipline. The primary purpose of this bursary is to support students who lack the funding to complete their education and to assist them in entering into the workforce as professional engineers. Recipients will be from Nova Scotia and will be able to demonstrate financial need.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

Gordon C. McCausland Scholarship

Mrs. Elizabeth C. McCausland established this award. The award is made on the basis of the applicant's academic record at the Associated University or at Dalhousie. Selection is carried out by the Scholarships and Awards Committee of the Faculty of Engineering on the recommendation of the Chair of the Civil Engineering program.

Eligibility: Available to students entering third year of the Civil Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The George Geoffrey Meyerhof Scholarship

Dr. George Geoffrey Meyerhof established this award. The award is based primarily on the academic record of the applicant during year three of the program, but will also take into account personality and leadership ability. A letter of nomination or application should convey the reasons the nominee or applicant is deemed worthy of the award. Selection will be carried out by the Scholarships and Awards Committee of the Faculty of Engineering in consultation with the Chair of the Civil Engineering program.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

The Mineral Resource and Materials Engineering Scholarship

This scholarship was established in 1985.

Eligibility: Available to students entering third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Mineralogical Association of Canada Student Prize

This prize is open to an undergraduate student who has completed at least second year and has demonstrated excellence in one of Mineralogy, Crystallography, Geochemistry, Petrology, and Mineral Deposits. The recipient will receive his/her choice of one of the MAC special publications.

Application Type: Automatic Consideration – No Application Required

The Mining Society of Nova Scotia Centennial Scholarship Medal

The Mining Society of Nova Scotia Centennial Scholarship Medal will be awarded annually to a Mining or Materials Engineering student graduating at Dalhousie who demonstrates the best all-around merit in the course of studies at Dalhousie. Selection of the recipient is to be made at the discretion of the Department Head.

Application Type: Automatic Consideration – No Application Required

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course "Corrosion and Degradation of Materials" or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.

Eligibility: Available to a student in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of the applicant's academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ian Noseworthy Bursary

This bursary has been established in memory of Ian Noseworthy by his family and friends. Mr. Noseworthy was a fourth year student in Chemical Engineering at the time of his death. The award is made on the basis of demonstrated financial need and satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Chemical Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities.

Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Jason Paquet Memorial Bursary

This bursary has been established in memory of Jason Paquet by his family, friends, fellow students, faculty, and alumni of Mechanical Engineering. Mr. Paquet was registered as a fourth year Mechanical Engineering student at the time of his death. The award is based primarily on financial need. The Committee will also consider the academic record of the applicant and involvement in sports and community.

Eligibility: Available to students currently in third year of the Mechanical Engineering program at Dalhousie University, with preference given to permanent residents of Prince Edward Island. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Everett Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983.

Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Howard Ripley Scholarship

Professor Ripley graduated from NS Technical College in 1933. The award is based on academic excellence.

Eligibility: Available to students entering third year of the Mechanical Engineering program at Dalhousie University, with preference given to graduates of Charles P. Allen High School in Bedford, NS.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be

residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Scotsburn Dairy Group

This scholarship was established by the Scotsburn Dairy Group for students enrolled in third or fourth year studies in the program leading to the Bachelor of Applied Science (Food Science) program within the Faculty of Engineering. The scholarships will be awarded to candidates entering the third year of the program and may be renewed in the fourth year provided the recipients maintain a GPA of 3.3 or higher.

Eligibility: Available to upper year Bachelor of Applied Science (Food Science) students.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,000

The Shaw Group Scholarship in Civil Engineering

Since 1999, The Shaw Group Limited has awarded annually a one-year scholarship to the student based on academic merit. The Scholarships and Awards Committee of the Faculty of Engineering selects the winner.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University. Applicants must have been born in and are currently permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,500

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. G. Sherwood Memorial Entrance Bursary

This bursary has been established in memory of Dr. H. G. Sherwood by former employers, friends, and colleagues. Dr. Sherwood was a dedicated professor in the Mining Engineering program at Dalhousie for many years. The bursary is awarded on the basis of the applicant's academic record at an Associated University or in the previous years at Dalhousie. While academic excellence will be the primary criterion for the award, the selection committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Mineral Resource Engineering program (Bachelor of Engineering) at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$300

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in

undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Society of Chemical Industry Merit Award

The Society of Chemical Industry Merit Award is presented annually to the student graduating in Chemical Engineering with the highest overall average during the senior year of a program of studies at Dalhousie. The award is a gold key bearing the crest of the society, and a year's subscription to Chemical Engineering.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The C. W. Stairs Memorial Scholarships

In 1960, William Stairs, Son & Morrow Limited of Halifax, on the occasion of the 150th anniversary of the firm donated \$10,000 to the University to set up this fund. It provides scholarships to students in Engineering, or in related subjects, who are entering the third year of the class and who, in the opinion of the Committee, are likely after graduation to contribute to the industrial development of Canada.

Application Type: Automatic Consideration – No Application Required

The William Stairs Memorial Prize

This prize consists of a medal which is presented annually to the student who shows outstanding ability in metallurgy, physical properties of metals or the use of metals in the arts of industry.

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.
Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Chemical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Chemical Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Civil Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Civil Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Computer Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Computer Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Electrical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Electrical Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Engineering

Awarded to the graduating Engineering student with the highest standing.

Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Environmental Engineering

Application Type: Automatic Consideration – No Application Required

University Medal in Food Science

This medal is awarded annually to the graduate who has attained the highest academic standing in Food Science.

Application Type: Automatic Consideration – No Application Required

University Medal in Industrial Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Industrial Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Materials Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing Materials Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Mechanical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Mechanical Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Mineral Resource Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Mineral Resource Engineering.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society.

Application Type: Automatic Consideration – No Application Required

The Weldon Scholarship

The Estate of Dr. R. S. Weldon established this award. The award is based on the academic record of the applicant during year three of the program.

Eligibility: Available to students entering fourth year of the Mechanical Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$450

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Susan (Cox) Wickwire Bursary in Engineering

An endowment has been established in memory of Susan (Cox) Wickwire, a former school teacher whose four sons are University alumni. The recipient will have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to students entering the second year of the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The G. P. Wilson Engineering in Business Scholarship

This scholarship was established to honour Peter Wilson, born in Truro, and who attended King's College and completed his Engineering Diploma at Dalhousie. He graduated as a Mechanical Engineer from the Nova Scotia Technical College (NSTC) and went on to complete a Masters in Engineering Production in the area of Operations Research at the University of Birmingham in England. Professor Wilson was Executive Director of the Atlantic Industrial Research Institute, served as a Professor in Industrial Engineering, and was Head of the Department of Industrial Engineering at the Technical University of Nova Scotia and Dalhousie for more than 20 years. The G. P. Wilson Engineering in Business Scholarship is awarded to students who show outstanding promise to use engineering skills to improve Canadian business.

Eligibility: Available to students entering third year of the Industrial Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: January 15

Value: \$1,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Lower-Division Engineering

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety

of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Susan (Cox) Wickwire Bursary in Engineering

An endowment has been established in memory of Susan (Cox) Wickwire, a former school teacher whose four sons are University alumni. The recipient will have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to students entering the second year of the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Civil and Resource Engineering

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information
Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an

annual scholarship ordinarily to a student who is entering the final undergraduate year.
Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Civil Engineering Certificate

In 1985, the Canadian Society for Civil Engineering established a Certificate of Achievement that is awarded annually to the student graduating in Civil Engineering with the highest aggregate in the last two years of study.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Award

The Society sponsors an annual award consisting of a certificate and a one year student membership to an undergraduate student who has demonstrated outstanding competence in Petroleum Geology or closely related fields.

Application Type: Automatic Consideration – No Application Required

CBCL Limited, Consulting Engineers' Scholarship

CBCL Limited, Consulting Engineers established this award. The Scholarship is awarded primarily on the basis of the applicant's academic record. Other factors such as personality, initiative, community involvement, other awards held by the applicant, etc. may also weigh in the decision.

Eligibility: Available to students entering fourth or fifth year of Civil, Industrial, Mechanical, or Electrical Engineering programs (Bachelor of Engineering) at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Chamber of Mineral Resources of Nova Scotia Scholarship

Senior students from Acadia University, Dalhousie University, St. Francis Xavier University, or Saint Mary's University in a Geology or mining-related Bachelor degree program are considered for this scholarship. Selection is based upon the student's contribution to the development of the province's mineral resources sector as well as scholastic achievement.

Eligibility: Available to current students in the Faculties of Engineering and Science at studying Geology or Mining-related studies.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.

Eligibility: Available to students studying in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

The Dr. H. W. L. Doane, F. E. I. C. Scholarship

Nova Scotia Power Inc. established this scholarship in 1981 in recognition of dedicated service rendered by Dr. Doane as a member of the Nova Scotia Power's Board of Directors from 1953 to 1981. A distinguished engineer, Mr. Doane graduated from Dalhousie in 1913, was invested as an Honorary Doctor in 1957; was presented with the Sexton Memorial Award in 1964; and was honorary president of the University's Alumni Association. Basis is academic achievement, leadership ability and qualities of personality and character.

Eligibility: Available to students entering their final year of the Civil Engineering program (Bachelor of Engineering) at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$400

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

David F. Fanning Scholarship

Established in memory of David F. Fanning by his family and fellow members of the Civil Engineering class of 1980. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie. Preference will be given to a student who has displayed an interest in mathematical modeling and finite element analysis of structures.

Eligibility: Available to students entering fourth year of the Civil Engineering program at Dalhousie University. Applicants must be Canadian citizens.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dean Flynn Memorial Prize

This prize consists of a medal which is awarded annually to the student graduating in Mining Engineering with the highest overall average in the program of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr.

Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are

domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The James L. Hall Scholarship in Earth Sciences

This scholarship is awarded on the joint recommendation of the Faculty of Engineering and the Department of Earth Sciences, to a student who has completed his/her first year, who is planning on a career in the field of Mining Geology. The scholarship alternates between Earth Sciences and Engineering.

Application Type: Automatic Consideration – No Application Required

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tadros Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

J. Douglas Kline Memorial Scholarship

The Halifax Water Commission established this award. The applicant must be involved in water-related studies in Civil Engineering. The scholarship is awarded on the basis of the applicant’s record at Dalhousie University. While academic excellence will be the primary criterion for the award, the selection committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,500

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Value: \$5,000

Havard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career

developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Michael Lister Memorial Award

To honour the memory of Michael Lister (BEng 1997), and his love of engineering, this award is available to a student graduating in Mineral Resource Engineering who has achieved good academic standing, combined with leadership qualities and a strong work ethic.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Charles F. H. Macdonald Memorial Prize

The family of the late Charles F. H. Macdonald provided for a prize in his memory to be awarded each year to a student completing the Bachelor of Engineering program in Civil Engineering with a good academic average. The prize is awarded by the Scholarships and Awards Committee on the recommendation of the Chair of the Civil Engineering program.

Application Type: Automatic Consideration – No Application Required

Value: \$300

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The Donald MacFadgen Memorial Scholarship

The Mining Society of Nova Scotia has established this award. The award is made on the basis of merit and need, with preference given to students enrolled in the programs of Mineral Resource and Materials Engineering.

Eligibility: Available to students currently in third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Dr. S. K. Malhotra Scholarship

The scholarship was established by his family and friends in memory of Dr. S. K. Malhotra, former Dean of Graduate Studies and Professor for Civil Engineering at Dalhousie from 1965 to 1990. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. Preference will be given to a student who had displayed an interest in structural engineering.

Eligibility: Available to students entering fourth year of the Civil Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,500

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Maritime and Northeast Pipeline Legacy Scholarship

Two scholarships are awarded annually to students, based on a minimum GPA of 3.00.

Eligibility: Available to students entering third year of the Chemical, Civil, Environmental, or Mechanical Engineering programs at Dalhousie University, with preference given to students who are permanent residents of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,500

Masontech Inc. - Bill Holland Civil Engineering Bursary

Bill Holland, an engineer and founder of Masontech Inc, established this bursary in 2010 to support engineering students beginning their second year of study in the Civil Engineering discipline. The primary purpose of this bursary is to support students who lack the funding to complete their education and to assist them in entering into the workforce as professional engineers. Recipients will be from Nova Scotia and will be able to demonstrate financial need.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

Gordon C. McCausland Scholarship

Mrs. Elizabeth C. McCausland established this award. The award is made on the basis of the applicant's academic record at the Associated University or at Dalhousie. Selection is carried out by the Scholarships and Awards Committee of the Faculty of Engineering on the recommendation of the Chair of the Civil Engineering program.

Eligibility: Available to students entering third year of the Civil Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The George Geoffrey Meyerhof Scholarship

Dr. George Geoffrey Meyerhof established this award. The award is based primarily on the academic record of the applicant during year three of the program, but will also take into account personality and leadership ability. A letter of nomination or application should convey the reasons the nominee or applicant is deemed worthy of the award. Selection will be carried out by the Scholarships and Awards Committee of the Faculty of Engineering in consultation with the Chair of the Civil Engineering program.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

The Mineral Resource and Materials Engineering Scholarship

This scholarship was established in 1985.

Eligibility: Available to students entering third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Mineralogical Association of Canada Student Prize

This prize is open to an undergraduate student who has completed at least second year and has demonstrated excellence in one of Mineralogy, Crystallography,

Geochemistry, Petrology, and Mineral Deposits. The recipient will receive his/her choice of one of the MAC special publications.
Application Type: Automatic Consideration – No Application Required

The Mining Society of Nova Scotia Centennial Scholarship Medal

The Mining Society of Nova Scotia Centennial Scholarship Medal will be awarded annually to a Mining or Materials Engineering student graduating at Dalhousie who demonstrates the best all-around merit in the course of studies at Dalhousie. Selection of the recipient is to be made at the discretion of the Department Head.
Application Type: Automatic Consideration – No Application Required

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.
Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.
Eligibility: Available to any Dalhousie undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course “Corrosion and Degradation of Materials” or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.
Eligibility: Available to a student in the Bachelor of Engineering program.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John’s Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant’s academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.
Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.
Application Type: Contact the Department, School, or College for more information
Application Deadline: September 30
Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of the applicant’s academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.
Application Type: General Online Bursary Application
Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities.

Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Everett Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983.

Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic

standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Shaw Group Scholarship in Civil Engineering

Since 1999, The Shaw Group Limited has awarded annually a one-year scholarship to the student based on academic merit. The Scholarships and Awards Committee of the Faculty of Engineering selects the winner.

Eligibility: Available to students entering their final year of the Civil Engineering program at Dalhousie University. Applicants must have been born in and are currently permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,500

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. G. Sherwood Memorial Entrance Bursary

This bursary has been established in memory of Dr. H. G. Sherwood by former employers, friends, and colleagues. Dr. Sherwood was a dedicated professor in the Mining Engineering program at Dalhousie for many years. The bursary is awarded on the basis of the applicant's academic record at an Associated University or in the previous years at Dalhousie. While academic excellence will be the primary criterion for the award, the selection committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Mineral Resource Engineering program (Bachelor of Engineering) at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$300

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The C. W. Stairs Memorial Scholarships

In 1960, William Stairs, Son & Morrow Limited of Halifax, on the occasion of the 150th anniversary of the firm donated \$10,000 to the University to set up this fund. It provides scholarships to students in Engineering, or in related subjects, who are entering the third year of the class and who, in the opinion of the Committee, are likely after graduation to contribute to the industrial development of Canada.

Application Type: Automatic Consideration – No Application Required

The William Stairs Memorial Prize

This prize consists of a medal which is presented annually to the student who shows outstanding ability in metallurgy, physical properties of metals or the use of metals in the arts of industry.

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing. Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships. Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Civil Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Civil Engineering. Application Type: Automatic Consideration – No Application Required

University Medal in Mineral Resource Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Mineral Resource Engineering. Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal. Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society. Application Type: Automatic Consideration – No Application Required

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing. Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Electrical and Computer Engineering

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.
Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.
Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.
Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John

Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

CBCL Limited, Consulting Engineers' Scholarship

CBCL Limited, Consulting Engineers established this award. The Scholarship is awarded primarily on the basis of the applicant's academic record. Other factors such as personality, initiative, community involvement, other awards held by the applicant, etc. may also weigh in the decision.

Eligibility: Available to students entering fourth or fifth year of Civil, Industrial, Mechanical, or Electrical Engineering programs (Bachelor of Engineering) at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Howard C. Clarke International Study Award

An endowment fund to assist a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a

member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.

Eligibility: Available to students studying in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

The Electrical and Computer Engineering Faculty Scholarship

Faculty Members of the Department of Electrical and Computer Engineering established this award. Selection is carried out by the Faculty of Engineering on the recommendation of the Electrical and Computer Engineering Department.

Eligibility: Available to students entering third year of the Electrical Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr.

Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among

graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in

contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

IEEE Medal

The Institution of Electrical and Electronics Engineers, Canadian Atlantic Section, provides a silver medal to the student graduating in Electrical Engineering with the highest overall average in the program of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tadros Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Value: \$5,000

Havard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a

member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course "Corrosion and Degradation of Materials" or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.

Eligibility: Available to a student in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information
Application Deadline: September 30
Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of the applicant's academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.
Application Type: General Online Bursary Application
Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities.
Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Everette Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983. Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application
Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Computer Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Computer Engineering.

Application Type: Automatic Consideration – No Application Required

University Medal in Electrical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Electrical Engineering.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society.

Application Type: Automatic Consideration – No Application Required

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Industrial Engineering

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

CBCL Limited, Consulting Engineers' Scholarship

CBCL Limited, Consulting Engineers established this award. The Scholarship is awarded primarily on the basis of the applicant's academic record. Other factors such as personality, initiative, community involvement, other awards held by the applicant, etc. may also weigh in the decision.

Eligibility: Available to students entering fourth or fifth year of Civil, Industrial, Mechanical, or Electrical Engineering programs (Bachelor of Engineering) at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.

Eligibility: Available to students studying in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr. Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Industrial Engineering Entrance Scholarships

Up to five scholarships, established by the Department of Industrial Engineering will be awarded to top-ranked students. An additional scholarship is awarded to a student entering Dalhousie who has selected the program of Industrial Engineering and who has achieved a high academic standing within his/her prior university studies. Participation in extracurricular activities will also be given consideration.

Eligibility: Available to students entering third year of the Industrial Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: up to \$2,000

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tados Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic

standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.
Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Automatic Consideration – No Application Required
Value: \$5,000

Harvard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course "Corrosion and Degradation of Materials" or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.

Eligibility: Available to a student in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of the applicant's academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application
Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities.
Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Everette Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983. Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University.
Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or

for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Industrial Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Industrial Engineering.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society.

Application Type: Automatic Consideration – No Application Required

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The G. P. Wilson Engineering in Business Scholarship

This scholarship was established to honour Peter Wilson, born in Truro, and who attended King's College and completed his Engineering Diploma at Dalhousie. He graduated as a Mechanical Engineer from the Nova Scotia Technical College (NSTC) and went on to complete a Masters in Engineering Production in the area of Operations Research at the University of Birmingham in England. Professor Wilson was Executive Director of the Atlantic Industrial Research Institute, served as a Professor in Industrial Engineering, and was Head of the Department of Industrial Engineering at the Technical University of Nova Scotia and Dalhousie for more than 20 years. The G. P. Wilson Engineering in Business Scholarship is awarded to students who show outstanding promise to use engineering skills to improve Canadian business.

Eligibility: Available to students entering third year of the Industrial Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: January 15

Value: \$1,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mechanical Engineering

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Canadian Society of Mechanical Engineering Medal

The Canadian Society of Mechanical Engineering Medal is presented each year to the student graduating in Mechanical Engineering with the highest overall average.

Application Type: Automatic Consideration – No Application Required

CBCL Limited, Consulting Engineers' Scholarship

CBCL Limited, Consulting Engineers established this award. The Scholarship is awarded primarily on the basis of the applicant's academic record. Other factors such as personality, initiative, community involvement, other awards held by the applicant, etc. may also weigh in the decision.

Eligibility: Available to students entering fourth or fifth year of Civil, Industrial, Mechanical, or Electrical Engineering programs (Bachelor of Engineering) at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.

Eligibility: Available to students studying in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation,

Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raeffe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raeffe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Fairey Canada Scholarship

Fairey Canada Ltd. established this award. The award is based on the academic record of the applicant and the financial need. Applicants are expected to have an interest in some aspect of aviation.

Eligibility: Available to students entering fourth year of the Mechanical Engineering program at Dalhousie University, with preference given to permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$150

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie,

have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr. Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tadros Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Value: \$5,000

Havard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to

provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ira P. MacNab Prize

The late Dr. Ira P. MacNab, an alumnus of the University, provided funds for an annual award to be presented to the student graduating in Mechanical Engineering with the highest overall average in a program of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Value: \$75

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Maritime and Northeast Pipeline Legacy Scholarship

Two scholarships are awarded annually to students, based on a minimum GPA of 3.00.

Eligibility: Available to students entering third year of the Chemical, Civil, Environmental, or Mechanical Engineering programs at Dalhousie University, with preference given to students who are permanent residents of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,500

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course "Corrosion and Degradation of Materials" or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.

Eligibility: Available to a student in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of

the applicant's academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.
Application Type: General Online Bursary Application
Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities.
Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Jason Paquet Memorial Bursary

This bursary has been established in memory of Jason Paquet by his family, friends, fellow students, faculty, and alumni of Mechanical Engineering. Mr. Paquet was registered as a fourth year Mechanical Engineering student at the time of his death. The award is based primarily on financial need. The Committee will also consider the academic record of the applicant and involvement in sports and community.
Eligibility: Available to students currently in third year of the Mechanical Engineering program at Dalhousie University, with preference given to permanent residents of Prince Edward Island. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Everett Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983. Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Howard Ripley Scholarship

Professor Ripley graduated from NS Technical College in 1933. The award is based on academic excellence.

Eligibility: Available to students entering third year of the Mechanical Engineering program at Dalhousie University, with preference given to graduates of Charles P. Allen High School in Bedford, NS.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that

engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.
Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.
Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.
Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.
Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.
Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.
Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.
Application Type: General Online Bursary Application
Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing. Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships. Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Mechanical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Mechanical Engineering. Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal. Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society. Application Type: Automatic Consideration – No Application Required

The Weldon Scholarship

The Estate of Dr. R. S. Weldon established this award. The award is based on the academic record of the applicant during year three of the program. Eligibility: Available to students entering fourth year of the Mechanical Engineering program at Dalhousie University. Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$450

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing. Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Process Engineering and Applied Science

75th Anniversary Alumni Family Scholarship

The Engineering Alumni Association established this award in 1995 in recognition of the 75th anniversary of the Association. This award is open to students registered in the penultimate or final undergraduate year of Computer Science, Architecture, Planning or Engineering. The recipient must be a family member (son/daughter, spouse, grandchild, niece/nephew, brother/sister) of an engineering graduate and have achieved satisfactory academic standing.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,750

Hira and Kamal Ahuja Engineering Scholarship

This scholarship has been established in memory of Mrs. Kamal Ahuja, by her family. Prof. Ahuja was Director of Continuing Education at the Technical University of Nova Scotia. The award is based on a combination of grades and demonstrated financial need. Preference will be given to students who can demonstrate a significant cultural contribution to the East India community.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Aliant Ambassador Scholarship

A one-year scholarship open to students registered in year four or five of an Architecture, Planning, Computer Science, or Engineering program. Selection is carried out by the Scholarship and Awards Committee of the Faculty of Engineering.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

J. D. (Dan) Arbing Memorial Nova Scotia Road Builders Association Bursary

The Nova Scotia Road Builders Association established this award. The Committee will consider the applicant's financial need, academic standing, interest in highway or construction engineering, and executive ability in a construction company or highway department.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Civil Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application
Application Deadline: October 15

Margaret Archibald Memorial (Entrance) Bursary

The Family, Friends and Associates of Margaret Archibald established this award. Mrs. Margaret Archibald was a Dalhousie employee from December 1962 to May 1979. During this period of time, she worked for three Presidents. After her official retirement as Administrative Secretary to the President, Mrs. Archibald continued with the University working in the Public Relations Office until 1983. Margaret Archibald was a very loyal and dedicated employee with a keen interest in the Dalhousie community. The eligible candidate must be a woman who has fulfilled or expects to fulfill the minimum entrance requirements into third year of an undergraduate program in Architecture, Computer Science, or Engineering.

Eligibility: Available to students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Atlantic Farm Mechanization Show Environmental Engineering (Entrance) Scholarship

The Atlantic Farm Mechanization Show established this award. Selection will be carried out by the Faculty of Engineering in consultation with the Chair of the Environmental Engineering program after students come to Dalhousie.

Eligibility: Available to students entering third year of the Environmental Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Atlantic Land Improvement Contractors Association/ Environmental Engineering Association Award

Presented annually to the student graduating in the Environmental Engineering program who had exhibited the greatest aptitude in the environmental engineering classes and who thus has demonstrated the greatest potential for a career in environmental engineering.

Application Type: Automatic Consideration – No Application Required

Value: \$750

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Louie I. Baker Awards in Technical Communication

Established by Dr. Max L. Baker in memory of his wife Louie are two prizes for the Technical Writing category and two prizes for the Oral Presentation category. Dr. Baker was Professor Emeritus at Dalhousie and a former Head of Mechanical Engineering.

Eligibility: Available to current students in the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Dr. Max L. Baker Scholarship

An anonymous donor established this award. The recipient is selected on the basis of personality, leadership, and scholarship. The letter of nomination or application should convey to the Committee the reasons the nominee or applicant is deemed worthy of the award.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Marjorie Ball Scholarship

Marjorie Ball was born in Newfoundland in 1912 and attended Dalhousie University in 1934. This scholarship was established by a bequest from the Estate of Marjorie Ball to the Dalhousie University Alumni Association.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The A. David Blair Scholarship

An endowment has been established to provide an annual scholarship in memory of A. David Blair, who graduated from Dalhousie in 1987 with a BSc degree. The awardee will have achieved high academic standing and demonstrated financial need.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John G. Bruce Scholarship

Three scholarships, valued at \$10,000 per year, were created through a bequest from the Estate of Ian Gordon Bruce in memory of his father. Ian Bruce, who was killed in a motorcycle accident while on a trip to the Yukon, graduated from the Technical University of Nova Scotia in 1970 with a BEng in Industrial Engineering. John Bruce, who believed strongly in education, retired from the Canadian Navy in 1966 and spent most of the war escorting convoys in the North Atlantic. He later worked at the Bedford Institute of Oceanography as an electronic technician. The scholarships are awarded on the principal criterion of academic excellence. The committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$10,000

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Dr. Alan E. Cameron Scholarship

An anonymous donor established this award, based primarily on the academic record of the applicant during year three of the program, but will also take into account the personality, leadership ability and financial need of the applicant.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Camp 7 Iron Ring Award

Established by Camp 7 Halifax, The Corporation of the Seven Wardens, this award is given to a graduating Engineering student who displays a uniquely high professional attitude towards their academic program that has produced quality academic results. Students are nominated for this award by their department, from those who have applied for in-course scholarships.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Chemical Engineering Medal

The Canadian Society for Chemical Engineering Medal is presented annually to the third year student in Chemical Engineering with the highest overall average during the third year of studies at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

Class of 1985 Award

The Class of 1985 Award is presented to the student graduating in Biological and Environmental Engineering programs who has exhibited the most outstanding qualities of scholarship, leadership, and personality during his/her course of studies at Dalhousie.
Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Consulting Engineers of Nova Scotia Scholarships

The Consulting Engineers of Nova Scotia (CENS) have established four annual awards. Students who have completed or are currently serving a work term with a member of CENS will be given preference, as well as those interested in pursuing a career in the Nova Scotia Consulting Industry. Recipients of the award will have demonstrated professionalism and integrity in their engineering studies. Other factors such as personality, initiative, community involvement, and another awards held by the applicant may also weight in the decision.
Eligibility: Available to students studying in the Bachelor of Engineering program.
Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30
Value: \$500

The Walter P. Copp Memorial Prize

In 1979 an anonymous donor gave the University \$2,500 to establish an endowment for the purpose of funding this prize. It is awarded annually to the student for promotion from second year to third year in the Dalhousie Faculty of Engineering with the highest average in Engineering classes.
Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.
Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Engineering Scholarship

Five awards are made on the basis of the applicant's academic record at the Associated University or the initial years of Engineering studies at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30
Value: \$500

The Engineers Nova Scotia Award

Engineers Nova Scotia provides an award each year to a student graduating in Engineering who best demonstrates promise of using outstanding abilities to serve society in an ethical manner as a professional engineer. The award candidates will be nominated by students of the graduating classes in consultation with their Engineering Department members. Selection will be made by the Student Affairs Committee of Engineers Canada and based on a written and oral presentation.

Eligibility: Available to students completing the Bachelor of Engineering program at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000 and an engraved certificate

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

M. Roy Foran Scholarship

Dr. M. Roy Foran, Dean Emeritus of the Nova Scotia Technical College and Professor Emeritus of Chemical Engineering, began his career at Dalhousie as Assistant Professor of Chemistry in 1944. Three years later, he joined the Nova Scotia Technical College as one of the founding members of the Chemical Engineering Department. He served as Department Head for 20 years and then as Dean of Graduate Studies, a post he held until 1974. Dr. Foran then became Registrar of the Nova Scotia Technical College, a position he held until his retirement in 1977.

Eligibility: Available to students entering fourth or fifth (ultimate) year of the Chemical Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marc Garneau, P.Eng. Scholarships

Engineers of Nova Scotia established two awards to commemorate the journey of the first Canadian astronaut, Marc Garneau, into space on October 5, 1984. Dr.

Garneau is an honorary life member of Engineers Nova Scotia and he honored the Association by carrying its insignia on this historic flight. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University. While academic excellence will be the primary criterion for the award, the Selection Committee may also weigh other considerations in reaching a decision.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Wade Gates Memorial Bursary

Established in memory of Wade Gates by colleagues, family, and friends. Mr. Gates was a technologist in the Department of Chemical Engineering at Dalhousie for many years. The award is based primarily on financial need but the Committee also considers the academic record of the applicant.

Eligibility: Available to students entering fourth or fifth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Chemical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Dr. Ruth M. Goldbloom Bursary

This fund was established in 1995 to honour Dr. Goldbloom CM, on the occasion of her installation as Chancellor of the Technical University of Nova Scotia. This bursary is awarded annually to a female student entering her third year of study in the Faculty of Architecture and Planning, Faculty of Computer Science or the Faculty

of Engineering.

Eligibility: Available to female students entering third year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Guru Nanak Scholarship

Dr. and Mrs. D. S. Chehil established this scholarship to encourage Black Nova Scotia students to qualify for admission and complete the Engineering degree at Dalhousie. The scholarship is awarded primarily on the basis of the applicant's academic record prior to admission into third year or on the basis of the academic record at an Associated University or at the University entrance level. Other factors such as personality, initiative, community involvement, and other awards held by the applicant may also be considered.

Eligibility: Available to Black students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be Canadian citizens who were born in Nova Scotia.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

JMBT Engineering Scholarship

The Jaeger, Mufti, Bakht, and Tadros Engineering Scholarship Fund will provide one or more scholarships for Engineering students to encourage and support their academic excellence. The scholarship is awarded primarily on the basis of the applicant's academic record. The selection committee may also weigh other considerations in reaching a decision. The recipients can apply for renewal for the remainder of their undergraduate program subject to satisfactory academic performance and at the discretion of the committee.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The John J. Jodrey Scholarship

The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

The John J. Jodrey (Entrance) Bursary

John J. Jodrey established two bursaries to assist students in financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of one of the Atlantic provinces (NB, NS, NL, PEI). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$500

Michael G. Johnston Memorial (Entrance) Bursary

This annual bursary has been established in the memory of Michael G. Johnston by the Board of Governors of the University. Michael G. Johnston was a valued member of the Dalhousie Board of Governors who expressed sincere interest in all who came into contact with him. Candidates must have fulfilled or expect to fulfill the minimal entrance requirements for an undergraduate program in Architecture and Planning, or for entrance into the third year of Computer Science and Engineering. The bursary is awarded on the basis of community involvement, scholastic ability, and financial need.

Eligibility: Available to students entering first year of the Bachelor of Community Design or Bachelor of Environmental Design Studies programs, and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$500

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do

something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

John R. Kaye Memorial Scholarship

In 1981 a scholarship was established in memory of Mr. John R. Kaye, a notable engineer who served as Chairman of the Board at the Technical University of Nova Scotia and received an honorary doctorate degree in 1961. This scholarship is to provide financial assistance to an Engineering student who is a native-born Nova Scotian, and well-rounded individual. The successful candidate will be among those who have fulfilled the requirements for promotion from year one to year two in the Dalhousie Faculty of Engineering. S/he will be academically sound and will have demonstrated motivation, diligence, and promise in succeeding and being a credit to the engineering profession.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John Frederick Knodell Engineering Scholarship

Established to honour the memory of J. F. Knodell, a graduate in Electrical Engineering from Dalhousie and Nova Scotia Technical College. The scholarship is awarded to a male Dalhousie Engineering student who was born in Nova Scotia and attended schools in Nova Scotia. The successful candidate will be among those who have fulfilled the requirements for promotion from year two to year three in the Dalhousie Faculty of Engineering. The recipient must have achieved excellent academic standing and demonstrated greatest improvement from the first to second year of the Engineering degree program.

Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Value: \$5,000

Havard Kolm Bursary

Mr. Kolm earned a BEng in Mechanical Engineering from Nova Scotia Technical College in 1953 and a Masters degree in 1955 from MIT. He spent his career developing and manufacturing fluid control valves in the aircraft, industrial and medical device industries.

Eligibility: Available to students entering third or fourth year of the Bachelor of Engineering program at Dalhousie University, with preference given to students enrolled in Mechanical Engineering. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. Lee and S. Wong Bursary

This bursary celebrates 50 years of friendship between Wayne Lee and Sam Wong which roots in Halifax. To be awarded to international students within the Engineering Faculty (Undergraduate) on the basis of character, positive attitude and of need. Apply through the general online bursary program.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

J. Winston MacDonald Bursary

An endowment has been established to provide an annual bursary to a student at Dalhousie University. The recipient will have demonstrated financial need and satisfactory academic standing. The bursary is given in memory of John Winston MacDonald who was graduated from Dalhousie University in 1929 with a Bachelor of Science degree and the Diploma in Engineering, and from the Nova Scotia Technical College in 1931.

Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The Donald MacFadgen Memorial Scholarship

The Mining Society of Nova Scotia has established this award. The award is made on the basis of merit and need, with preference given to students enrolled in the programs of Mineral Resource and Materials Engineering.

Eligibility: Available to students currently in third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Dr. G. David MacKay Scholarship

Dr. G. David MacKay received both his Bachelor of Engineering and his Master's degree in Engineering from the Nova Scotia Technical College in 1955 and 1959, respectively. He then went on to complete his PhD in Chemical Engineering from McGill University in 1962. He returned to the Nova Scotia Technical College in 1965 where he taught for 30 years. During this time he served as Department Head for 11 years (1968-79), founded the Centre for Energy Studies, was its Director from 1978-87 and served on numerous committees. He was named Professor Emeritus of the Technical University of Nova Scotia in 1994.

Eligibility: Available to students entering third year of the Chemical Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Kenneth F. Marginson Award

This prize is awarded annually to the student who achieves the highest standing in the first year of the Bachelor of Engineering program. Only students who are enrolled in University for the first time are eligible to receive this award. Presentation of the award is when the student enrolls in the second year of the Bachelor of Engineering program. This prize is funded from an endowment of \$2,500, established by an anonymous donor, in honour of Professor Kenneth F. Marginson, a former Head of the Department.

Application Type: Automatic Consideration – No Application Required

The Maritime and Northeast Pipeline Legacy Scholarship

Two scholarships are awarded annually to students, based on a minimum GPA of 3.00.

Eligibility: Available to students entering third year of the Chemical, Civil, Environmental, or Mechanical Engineering programs at Dalhousie University, with preference given to students who are permanent residents of the Atlantic provinces (NB, NS, NL, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,500

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Mazankowski Foundation Entrance Scholarship

This foundation has established a scholarship for a student who fulfills or is expected to fulfill the minimum entrance requirements for admission to the BEDS program in Architecture and Planning, or year three of the Bachelor of Computer Science or Engineering. The Scholarship is awarded on the basis of the applicant's academic record at the Associated University or Dalhousie University. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,100

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minas Basin Pulp and Power Company Limited Scholarships

The Minas Basin Pulp and Power Company Limited established three awards, made on the basis of the applicant's academic record. The Committee may also weigh financial and other consideration in reaching a decision.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

The Mineral Resource and Materials Engineering Scholarship

This scholarship was established in 1985.

Eligibility: Available to students entering third year of the Materials or Mineral Resource Engineering programs at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

The Mining Society of Nova Scotia Centennial Scholarship Medal

The Mining Society of Nova Scotia Centennial Scholarship Medal will be awarded annually to a Mining or Materials Engineering student graduating at Dalhousie who demonstrates the best all-around merit in the course of studies at Dalhousie. Selection of the recipient is to be made at the discretion of the Department Head.

Application Type: Automatic Consideration – No Application Required

Mobil Oil Canada Scholarship

Exxon Mobil Canada Ltd. established four scholarships. The award is based on the academic record of the applicant at Dalhousie University.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to students who are citizens or permanent residents of Canada.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$2,000

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

NACE International Scholarship

This scholarship is awarded to the student with the highest academic achievement in the course “Corrosion an Degradation of Materials” or to an undergraduate student who receives top marks in a corrosion-related research project or lab experiment/project. The winner is expected to meet the local NACE International Section members and encouraged to become a student member with the initial membership dues covered by the membership.

Eligibility: Available to a student in the Bachelor of Engineering program.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Newfoundland and Labrador Alumni Undergraduate Scholarship

This award was established by the St. John's Newfoundland Alumni Branch for a student registered in the second year in Architecture and Planning, Computer Science, or Engineering. The scholarship is awarded primarily on the basis of the applicant's academic record (first class mandatory) with preference given to students who were residents of Newfoundland and Labrador immediately prior to attending Dalhousie. The selection committee may weigh other factors in reaching a decision.

Eligibility: Available to students entering second year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University, with preference given to residents of Newfoundland and Labrador.

Application Type: Contact the Department, School, or College for more information

Application Deadline: September 30

Value: \$1,000

NewPage Port Hawkesbury Ltd. Scholarship

Stora Forest Industries has established three awards to commemorate the 25th anniversary of the company in Nova Scotia. The scholarships are awarded on the basis of the applicant's academic record while in attendance at this University. The Selection Committee may also weigh other factors in reaching a decision.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program. Applicants must be permanent residents of Nova Scotia.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Allan D. Nickerson Memorial Scholarship

This scholarship was made possible by a bequest from the estate of the late Allan D. Nickerson. It was established in memory of Allan D. Nickerson to promote academic excellence in Engineering studies. It is awarded primarily on the basis of the applicant's academic record (first class standing). Mr. Nickerson graduated from the Nova Scotia Technical College (Electrical Engineering 1929). He received an Honorary degree (DEng) from the College in May 1969.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia. Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Ian Noseworthy Bursary

This bursary has been established in memory of Ian Noseworthy by his family and friends. Mr. Noseworthy was a fourth year student in Chemical Engineering at the time of his death. The award is made on the basis of demonstrated financial need and satisfactory academic standing. Eligibility: Available to students entering fourth year of the Chemical Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application
Application Deadline: September 30

Nova Scotia Department of Transportation and Public Works Bursary

This endowment has been established to provide bursaries to one or more full-time students who have demonstrated financial need and achieved a 3.0 GPA. Co-op placement with the Department of Transportation and Public Works may be made available. Upon completion of study/graduation, an opportunity of employment may be extended. Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia and attending university as full-time students. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,250

Nova Scotia Power Inc. Centennial Scholarships

Nova Scotia Power sponsors five scholarships to Engineering students at Dalhousie Faculty of Engineering. Selection criteria include academic performance, personal attributes and involvement in extra-curricular activities. Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Application Type: Contact the Department, School, or College for more information

The Nova Scotia Women in Engineering Scholarship

The Province of Nova Scotia established this award. Applicants must demonstrate academic excellence, leadership ability, and contribution to school/community activities. Eligibility: Available to female students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be permanent residents of Nova Scotia who are graduates of a high school in Nova Scotia. Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$6,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University. Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education. Eligibility: Available to part-time undergraduate students. Application Type: Contact the Department, School, or College for more information

The Everette Patterson Memorial Scholarship

Ocean Contractors Limited established this award. Professor Patterson graduated from the Nova Scotia Technical College (TUNS) Civil Engineering in 1960. He taught at Dalhousie University in the Engineering Department for 27 years. During that time, he served as chairman of the department from 1976-1979 and again in 1983. Professor Patterson was a very dedicated teacher and faculty member who was highly respected by his students and colleagues both at Dalhousie and TUNS. This award is made on the basis of the applicant's record at Dalhousie University. Eligibility: Available to students progressing from second to third year of the Bachelor of Engineering program at Dalhousie University. Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application
Application Deadline: April 30
Value: \$1,000

President's Associates (Entrance) Scholarship

The President's Associates Entrance Scholarship has been made possible by members of the Associate's Program (1994-96). The members represent business, industry, friends, faculty, and university administrators. This award is made annually to a student in undergraduate Architecture and Planning, Computer Science or Engineering on the basis of the academic record. Candidates must have fulfilled or expect to fulfill the entrance requirements for an undergraduate degree program in Architecture or for entrance into third year of Engineering or Computer Science.

Eligibility: Available to students entering first year of the Bachelor of Environmental Design Studies program and students entering third year of the Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Dr. Edward (Ted) Rhodes Scholarship in Engineering

Dr. Edward Rhodes, former President of the Technical University of Nova Scotia and former Principal of DalTech has established an annual scholarship open to a third or fourth year Engineering student who has maintained an interest in Music or the Arts.

Eligibility: Available to students in their third or fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Roberto Rocca Scholarships

Tenaris Global Services has established three annual awards. This scholarship honours Roberto Rocca, a Metallurgical Engineer, committed to his conviction that engineers are a force for positive change in society. Selection will be based on academic excellence, with preference given to students involved in extracurricular activities. The recipients will have achieved a minimum GPA of 3.0, an demonstrated professionalism, and integrity in their Engineering studies.

Eligibility: Available to students entering their final year of the Bachelor of Engineering program at Dalhousie University, with preference given to female applicants as well as permanent residents of Northern Ontario and Alberta.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$4,000

Bruce and Dorothy Rossetti Engineering Undergraduate Scholarships

The Bruce and Dorothy Rossetti Bequest has established five awards for students. The scholarship is awarded on the basis of the applicant's academic record at Dalhousie University.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Bruce and Dorothy Rossetti Engineering Scholarships

Five awards were established from the Bruce and Dorothy Rossetti bequest. The scholarship is awarded on the basis of the applicant's academic record at the Associated University or in the initial program years at Dalhousie.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$1,000

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be

residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Scotsburn Dairy Group

This scholarship was established by the Scotsburn Dairy Group for students enrolled in third or fourth year studies in the program leading to the Bachelor of Applied Science (Food Science) program within the Faculty of Engineering. The scholarships will be awarded to candidates entering the third year of the program and may be renewed in the fourth year provided the recipients maintain a GPA of 3.3 or higher.

Eligibility: Available to upper year Bachelor of Applied Science (Food Science) students.

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Value: \$2,000

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rod Shoveller Memorial Bursary

This bursary has been established by the Dalhousie Student Union and is supported by students, alumni, family, friends and colleagues. Mr. Shoveller was the Athletic Director of TUNS from 1980 to 1991 and acted as counsellor, mentor, and friend to the hundreds of students who came to know his compassion and understanding. The award is made on the basis of participation in Dalhousie athletics, with an emphasis on intramurals and financial need, provided that the applicant is maintaining an acceptable academic standard.

Eligibility: Available to students entering fourth year of the Bachelor of Community Design, Bachelor of Environmental Design Studies, Bachelor of Computer Science, Bachelor of Informatics, or Bachelor of Engineering programs at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$500

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Society of Chemical Industry Merit Award

The Society of Chemical Industry Merit Award is presented annually to the student graduating in Chemical Engineering with the highest overall average during the senior year of a program of studies at Dalhousie. The award is a gold key bearing the crest of the society, and a year's subscription to Chemical Engineering.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Walter Gardner Stanfield Entrance Scholarships

The Walter Gardner Stanfield bequest provides two awards to students who fulfill or are expected to fulfill the minimum (entrance) requirements into third year of Engineering or Computer Science.

Eligibility: Available to students entering third year of the Bachelor of Computer Science or Bachelor of Engineering programs at Dalhousie University.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 30

Value: \$1,000

Dennis Starritt Scholarship in Engineering

This award was established by Mr. Starritt, Bluewater Investment Management Inc, to provide a scholarship to students entering their third year of student in the Bachelor of Engineering program at Dalhousie. Candidates will have demonstrated high academic achievement, community service and financial need.

Eligibility: Available to students entering third year of the Bachelor of Engineering program at Dalhousie University. Applicants must be graduates of a high school in the Maritime Provinces (NS, NB, PEI).

Application Type: Faculty of Engineering: Year 3 Entrance Scholarship Application

Application Deadline: April 30

Dr. A. E. Steeves Scholarship

This \$1,000 scholarship was established in 1981 in honour of Dr. A. E. Steeves, Director of Administration of the Nova Scotia Technical College and Acting President from 1971-1977. The award is made on the basis of scholarship, personality and leadership ability.

Eligibility: Available to students entering fourth year of the Bachelor of Engineering program at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Faculty of Engineering: Undergraduate In-Course Scholarship Application

Application Deadline: September 30

Value: \$1,000

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Student's Medical Response Trust Fund

The fund was established with a generous donation from Professor and Mrs. Surain S. Sarwal, a member of Dalhousie Faculty along with students, staff, faculty, and friends of Dalhousie. The concept of the fund was developed in response to a medical emergency. Prior to the establishment of this fund, students, staff, faculty, and friends of Dalhousie joined together to provide special funding to assist a student. A committee will decide upon the distribution of funds. Distribution of funding will be subject to the judgment of the committee taking into account the individual circumstances and needs. Applications are made to the Dean of the student's respective Faculty.

Eligibility: Available to any student registered in the Faculty of Architecture & Planning, Computer Science, or Engineering.

Application Type: Contact the Faculty for more information

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. H. R. Theakston Memorial Award

This non-monetary award is presented each year to the student who achieves the highest standing in Engineering Graphics. It was established in 1964 in remembrance of Dr. H. R. Theakston who for several decades was University Engineer and Head of the Engineering Department, taught Graphics throughout that period, and enjoyed a long and prestigious career as a professional engineer. The award consists of a certificate suitable for framing.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Chemical Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Chemical Engineering.
Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing in Environmental Engineering
Application Type: Automatic Consideration – No Application Required

University Medal in Materials Engineering

This medal is awarded annually to the graduate who has attained the highest academic standing Materials Engineering.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

The Bob Walter Award

Given to the student who best combines fellowship, sportsmanship, and scholarship, the Bob Walter Award is the highest honour which the Engineering Society can bestow upon its graduates. The award consists of an engraved gift and a certificate suitable for framing. Instituted in the 1940/41 academic year, the award honours the memory of an outstanding engineering student who was president of the Dalhousie Engineering Society.
Application Type: Automatic Consideration – No Application Required

Lloyd Hopkins Wickwire Bursary

An endowment has been established through a bequest from the Estate of Lloyd H. Wickwire, an alumnus of the Nova Scotia Technical College and Dalhousie University. Applicants must demonstrate financial need and be in good academic standing.
Eligibility: Available to students in the Bachelor of Engineering program at Dalhousie University. Applicants must be International Students who have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Health Professions

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Health Professions Awards

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Dorothy Archibald Award

This award is sponsored by Dorothy Archibald, a lifetime member with CAMRT, who is dedicated in her retirement to advancement of the Medical Radiation Technology professions. Awarded to two full-time students (one in each of Nuclear Medicine Technology and Radiological Technology) who have successfully completed Clinical Practicum II.

Application Type: Contact the Department, School, or College for more information

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Astra Zeneca (Canada) Bursary

Bursaries are given by Astra Zeneca to two students who have completed years 2 or 3 of the Pharmacy program and who have demonstrated financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Matthew Ayer Award for Community Nursing

The Matthew Ayer award was established in 2008 by the family and friends of Matthew Ayer in his memory. Matthew was a student in the BScN program at the time of his death in October 2007. The recipient of this monetary award is a student in the Bachelor of Science (Nursing) Program at the School of Nursing, Dalhousie University, who has excelled in working with populations living on the margins of society due to social injustices.

Application Type: Automatic Consideration – No Application Required

Margaret Barrett-Banks Memorial Award

This cash award is sponsored by the Margaret Barrett-Banks memorial fund in memory of Margaret Barrett-Banks, a dedicated health professional and educator. This is awarded to a student entering the fourth year of the BHSc degree program and is based on GPA, demonstration of financial need, demonstration of contribution to the community, university, and/or health system through leadership and voluntary activities.

Application Type: Contact the Department, School, or College for more information

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

BRACCO Imaging Canada Award

This award is sponsored by the Bracco Imaging Canada and is awarded to a graduating student of the Magnetic Resonance Imaging Certificate Program. This award is intended for a student who has demonstrated exceptional clinical skills during Specialty Practice in MRI based on clinical observations.

Application Type: Contact the Department, School, or College for more information

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

GR Buckley Community Pharmacy Award

This award is presented annually to a student who has completed outstanding work in the fourth year of the community practical experience program. The award is selected from nominations received from preceptors.

Application Type: Automatic Consideration – No Application Required

The Dean George A. Burbidge Memorial Award

This award is given by the Nova Scotia College of Pharmacists to a student completing third year, from Nova Scotia, for outstanding qualities of character and pharmaceutical ability at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Ali Cameron Memorial Award

This award is sponsored by the Dalhousie Students Association of Health Sciences in memory of Ali Cameron. Ali was a Respiratory Therapy student at the Dalhousie School of Health Sciences from 2011 until she lost her battle with leukemia in 2013. This gift is awarded to a full-time Respiratory Therapy student who has entered clinical practicum II (RSPT 2500).

Eligibility: Available to current 2nd year students in the Bachelor of Health Science - Respiratory Therapy program. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Canadian Society for Exercise Physiology

The Society provides an annual medal to the School to be awarded to an outstanding student in the Bachelor of Science (Kinesiology) program. The recipient will be the graduating student who has achieved the highest academic standing in their undergraduate class in the scientific portion of the curriculum.

Application Type: Automatic Consideration – No Application Required

Capital Health Award for Professional Practice in Nursing (Basic Stream and Advanced Standing Stream - Basic Degree Program)

Selected by his/her peers, this award recognizes a student graduating from the Basic Degree Program (May Convocation) and the Advanced Standing Stream (October Convocation) who has demonstrated the qualities of professional practice. The recipient of this monetary award epitomizes the Standards of Nursing Practice of accountability and responsibility, continuing competence and application of knowledge and advocacy, and the CNA Code of Ethics for Registered Nurses.

Application Type: Automatic Consideration – No Application Required

Doreen Carroll Bursary in Cancer Nursing

As a result of receiving excellent care from registered nurses, the Carroll family sponsors a bursary to assist BScN students who demonstrate interest and proficiency in Cancer Nursing. Eligible recipients must be full time students in the third or fourth year of the BScN program. Applicants who have selected (an) oncology/palliative care nursing elective course(s) in their program of study will be given preference over other applicants. Students must complete the School of Nursing Undergraduate Bursary Application and also submit a written application to the School of Nursing, demonstrating their interest and proficiency in Cancer Nursing, as well as a desire to establish a career and practice in Cancer Nursing.

Eligibility: Available to full-time students entering third or fourth year of the Bachelor of Science - Nursing program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

The R. Frank Chandler Award

An endowment fund was established by Ortho Pharmaceutical (Canada) Ltd. in 1989 to support this award. It will be presented to a student entering the final year of study at the College of Pharmacy. The candidate must have high qualities of character and spirit, must have well developed interpersonal skills, must show an aptitude and proficiency for the profession, and must show promise of making future contributions to the profession of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Vincent Chew Memorial Award

Vincent Chew graduated from Dalhousie University with a Bachelor of Commerce degree in 1997 and a Law degree in 2001. He was working as Communication and Marketing Manager with the International Council for Sport Science and Physical Education when he passed away in 2008 as a result of a road accident in Berlin, Germany. Prior to that, he was with the 15th Asian Games in Qatar, and the Commonwealth Games in Melbourne, Australia. An avid sports and music fan, he enjoyed his varied interests while traveling extensively. Considering his passion for sport, sport management, and business, the Vincent Chew Memorial Award has been established by his parents at Dalhousie that will recognize academic excellence in the joint Recreational Management degree program (Bachelor of Management/Bachelor of Science (Recreation)).

Eligibility: Available to current students in the Bachelor of Science Recreation/ Bachelor of Management program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The F. R. Clayden Prize

This prize of a book is presented in memory of Mr. F. R. Clayden (Class of 1912) to a deserving student completing the first year courses of the Pharmacy program.

Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

College of Pharmacists Dr. J. G. Duff Award

This award is given annually to a Nova Scotia student who demonstrates a commitment to professionalism, integrity, and compassion.

Application Type: Automatic Consideration – No Application Required

The Bert and Betty Collins Bursary

An endowment has been established to award an annual bursary to a deserving Pharmacy student from New Brunswick who demonstrates financial need and who has attained a satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick.

Application Type: Contact the Department, School, or College for more information

Ian Collins Memorial Pediatric Award

This award is sponsored by the Canadian Cystic Fibrosis Foundation and the IWK Health Centre Respiratory staff. The award is presented to a student completing year three in Respiratory Therapy and is chosen based on demonstration of outstanding neonatal and pediatric care, outstanding academic, laboratory, and clinical achievement and contribution to the care of cystic fibrosis patients and their families.

Application Type: Contact the Department, School, or College for more information

The Helen Corston Marshall Award in Pharmacy

This endowment was established in memory of Helen Corston Marshall, a student of the Maritime College of Pharmacy, by her family. This award is to be given annually to a student (or students) who has successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year. Candidates must have attained a satisfactory academic standing and must show promise of making future contributions to the profession of Pharmacy. Financial need may be considered.

Application Type: Automatic Consideration – No Application Required

CPhA Centennial Leadership Award

This award, presented by the Canadian Pharmacists Association (CPhA) enables a third year student to join pharmacists and fellow students at the Annual General Meeting of the Canadian Pharmacists Association. The award program exposes student winners to several facets of the profession including the pharmaceutical industry, innovative pharmacy practice sites, hospitals, and government agencies wherever possible. Selection is based on academic achievement and outstanding

contributions to undergraduate activities.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dale Daley Pharmacy Award for Excellence

In 1990, Shoppers Drug Mart established an endowment to recognize the many contributions of Dale Daley to the profession of pharmacy. The award is presented annually to a third year Pharmacy student who has demonstrated a good academic standing and contributed to undergraduate life.

Application Type: Automatic Consideration – No Application Required

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Dalhousie University Women Alumnae Medal

This medal is presented annually to the BSW graduating student with the highest cumulative GPA in the baccalaureate program in the School of Social Work.

Application Type: Automatic Consideration – No Application Required

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Melda Dashevsky Memorial Award

Melda Dashevsky (nee Crocker) graduated from Victoria General Hospital School of Nursing in 1962 and worked in many areas of nursing across Canada. She and several of her family members experienced struggles with cancer and benefited from the nursing care they received. This award is provided by Mrs. Dashevsky's husband, in her memory, and was originally presented to a student graduating from the Victoria General Hospital School of Nursing. The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated interest and proficiency in Oncology Nursing.

Application Type: Automatic Consideration – No Application Required

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The Sister Frances dePaul Award

This award, a reference book or a subscription to a professional journal, is offered annually by the Nova Scotia Branch of the Canadian Society of Hospital Pharmacists and is presented to a graduating student entering a hospital Pharmacy residency program, who is a member of CSHP, and excels in the PBL curriculum.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Eric Dick Memorial Prize

The Eric Dick Memorial Prize in Social Work was established in 2008 by Mr. Dick's family to honour the memory of their father, Eric Dick who was one of the pioneers in the field of social work in the province of Nova Scotia. This prize is to be awarded to the student who has achieved the highest standing in the course 'Beginning Social Work Practice' (SLWK 2333) in the Bachelor of Social Work program for the academic year.

Application Type: Automatic Consideration – No Application Required

Becton Dickinson Award of Excellence in Endocrine Studies

This award will be presented to the student who has the highest mark in Pharmacy 3060 (Endocrine PBL block) at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Robert C. Dickson Memorial Award

This award is presented to a student from New Brunswick on the basis of academic achievement, financial need, and participation in student activities at the College of Pharmacy. The award is made available through a bequest of the late Mr. Charles D. Dickson.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

J. G. Duff Pharmacy Award

This was established by Dr. Duff's former students and associates in recognition of his contribution and devotion to pharmaceutical education in the Maritimes. The award and medal will be presented to a student entering the senior year for outstanding leadership and satisfactory scholastic attainment. A Senior Stick, bearing the names of the recipients, will be kept in trust by the Dalhousie Student Pharmacy Society. The recipient of the award will be selected by the student body.

Application Type: Automatic Consideration – No Application Required

Value: \$500

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first

AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Mary-Lou Ellerton Prize in Clinical Nursing

Professor Mary-Lou Ellerton was the Associate Director, Undergraduate Program Planning and Development at the School of Nursing, Dalhousie University. She was a graduate of the Universities of Ottawa and McGill and joined the faculty of the Dalhousie School of Nursing in 1979. She devoted her professional life to fostering excellence in clinical practice and made many significant contributions to both graduate and undergraduate programs in the School of Nursing as well as to the University and the broader nursing profession. Professor Ellerton was a woman of courage, integrity, wisdom and wit. She was posthumously awarded the IWK Health Centre's highest honour, the Award of Distinction. The recipient of this award is a graduating student who has consistently received excellent evaluations in the clinical nursing components of the program.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. M. J. Ellis Award

This award was established to give recognition to a graduating student who demonstrates exceptional interest and ability in research in one of the four undergraduate degree programs.

Eligibility: Available to graduating undergraduate students in the School of Health and Human Performance.

Application Type: Automatic Consideration – No Application Required

Elsevier Canada Award

The recipient of this monetary award is a student graduating from the Basic Degree Program or the Post RN Degree Program who has shown progressive academic achievement.

Application Type: Automatic Consideration – No Application Required

Elsevier Canada Book Award

This award is sponsored by Elsevier Canada and is awarded to two full time students: a Respiratory Therapy student who has completed first year and a Diagnostic Imaging student who has completed first year. These awards are based on highest cumulative GPA and completion of Clinical Practicum I.

Application Type: Automatic Consideration – No Application Required

Eric & Ryan Post-Pharmacy Leadership Award

This award is presented to a student who is completing their third year, who has demonstrated financial need, and has also made significant contributions to Pharmacy life at the College.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Dean J. Esmonde Cooke Award

This award is awarded annually to a student who has successfully completed one or more years of classes leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the coming year. Candidates must have attained a good academic standing and show promise of making future contributions to the profession of Pharmacy. The student must be a graduate of a high school in Nova Scotia and should not be the recipient of other concurrent awards. The Selection Committee may also consider the financial need. This award is sponsored by the Pharmacy Association of Nova Scotia.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Eva Mary and Judge Hiram S. Farquhar Bursary

To provide an annual bursary(s) for one (or more) student(s) enrolled in the Bachelor or Master of Social Work Program at Dalhousie University who demonstrates financial need.

Eligibility: Available to current students in the Bachelor and Master of Social Work programs at Dalhousie, with preference given to a student born in or resident of Hants County, Nova Scotia. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Elizabeth Foy Bursary

In 2012 the Dalhousie University College of Pharmacy Student Endowment Committee established the Elizabeth Foy Bursary to recognize Elizabeth Foy who retired from Dalhousie University after 43 years of dedicated service to thousands of Pharmacy students. This bursary is given annually to a second or third year student who is an active participant in College activities, possesses excellent critical appraisal skills, and demonstrates a financial need.

Eligibility: Available to students entering second or third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Heather Fraser-Davey Book Award

Heather Fraser-Davey was a professor with the Dalhousie School of Nursing for more than 24 years. She received her PhD in Adult Education from Dalhousie. She taught Pediatric and Surgical Nursing as well as Maternal-Child Nursing. Heather was involved in establishing a link with the Queen Margaret College, Department of Nursing, Edinburgh, Scotland. She also worked with the Tanzania project which linked the School of Nursing, Dalhousie and the School of Nursing, University of Dares Salaam. She is Past President and a Life Member of the Atlantic Region of Canadian Association of University Schools of Nursing. Heather also held an Honorary Research Associate position in the School of Education, Dalhousie University. The recipient of this monetary award is a graduating student who has demonstrated interest in international nursing and nurse midwifery.

Application Type: Automatic Consideration – No Application Required

The Charles E. Frosst Award

This award is presented by Merck Canada Inc. to the student who has the highest standing in the third year class.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income. Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

BHSc Faculty Award

This award is given to the graduating student with the highest cumulative GPA following four consecutive years in the BHSc program. Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie. Eligibility: Available to entering and current undergraduate students. Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Certificate (Basic Degree Program)

The recipient of this award is a student graduating from the Basic Degree Program with the highest cumulative GPA. Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Certificate (Post RN Degree Program)

The recipient of this award is a student graduating from the Post RN Degree Program with the highest cumulative GPA. Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Prize (Undergraduate Degree Program)

The recipient of this monetary award is a student graduating from the Basic Degree Program or the Post RN Degree Program with the highest cumulative GPA. Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence. Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

IWK Health Centre Prize for Excellence in the Care of Children and Families

The recipient of this monetary award is a student who has demonstrated critical thinking, advocacy, and autonomy in nursing children and their families in hospitals, homes, and communities. Application Type: Automatic Consideration – No Application Required

IWK Medical, Dental, and Scientific Staff Award for Excellence in Children's Nursing

The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated excellence in the area of Children's Nursing. Application Type: Automatic Consideration – No Application Required

IWK Medical, Dental, and Scientific Staff Award for Excellence in Women's and Newborn Nursing

The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated excellence in the area of Women's and Newborn Nursing.

Application Type: Automatic Consideration – No Application Required

Jean Coutu Bursaries

Two bursaries are offered annually to students from New Brunswick who are completing the first, second, or third years of the Pharmacy program. These students must have satisfactory academic standing and financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Recipients must be residents of New Brunswick.

Application Type: Contact the Department, School, or College for more information

The Ralph H. Jenkins Memorial Pharmacy Scholarship

This scholarship is awarded by the Prince Edward Island Pharmaceutical Association to a student who has achieved a high academic standing.

Eligibility: Available to students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants must be residents of Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

Cynthia Johnson Evans Award

This award is sponsored by the Nova Scotia Society of Diagnostic Medical Sonographers in memory of Cynthia Johnson Evans, former educator and sonographer. It is awarded to the student who has consistently demonstrated high standards of clinical practice upon completion of year three in Diagnostic Medical Ultrasound.

Application Type: Contact the Department, School, or College for more information

Johnson Insurance Bursary in Nursing

This bursary is sponsored by Johnson Insurance to provide financial assistance to a student enrolling in the undergraduate nursing program.

Eligibility: Awarded to a student from Atlantic Canada enrolled in the Bachelor of Science (Nursing) program and who demonstrates financial need.

Application Type: Contact the Department, School, or College for more information

Value: \$2,500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

Geri Kearnes Spirit of Pharmacy Award

This award is presented by the Nova Scotia College of Pharmacy to a fourth year student who has had a positive influence on the activities of the College of Pharmacy, who is regarded by others as hardworking and unpretentious, and who has a genuine and unfailing commitment to the practice of Pharmacy.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Jack Kidd/ANCA Bursary

In 1982, an endowment was established first for a scholarship and then changed to a bursary in 1987 which recognizes 43 years of service by Mr. Jack Kidd, a pharmaceutical sales representative with Anca Inc. It is awarded to a student from New Brunswick or Prince Edward Island who has successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick or Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The William Killorn Award

Shoppers Drug Mart Associates and the pharmaceutical industry have established an endowment to pay tribute to Bill Killorn in honour of his 46 years of service to Pharmacy in Atlantic Canada. The award is presented annually to a Pharmacy student who, in the view of the College’s Awards Committee, demonstrates strong leadership skills and excels in academic and extracurricular activities.

Application Type: Automatic Consideration – No Application Required

The Honourable John J. Kinley Pharmacy Award

In 1972, Mrs. L. Kinley established an endowment in memory of her husband, the Honourable John J. Kinley, a pharmacist and former Canadian Senator. In order to be considered for the award, candidates must have satisfactory academic standing and show promise of contributing to the profession. The financial need of the applicant may also be considered by the Selection Committee. The income from an established fund will be used to provide a monetary award as well as a book.

Application Type: Automatic Consideration – No Application Required

Scott Knowles Memorial Pharmacy Award

This award was established by family, friends, and colleagues in memory of Scott Knowles, a graduate of the Class of 2007. The award is presented to a student from New Brunswick who exhibits a high degree of professionalism and possesses leadership qualities. Preference will be given to a student returning to New Brunswick to practice in an independent, rural, community-based pharmacy.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicant must be a resident of New Brunswick. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Matthew Knox Award

This award was inaugurated in 2005 to recognize and honour the accomplishments of the individual whose name this award bears. Matthew Knox, a fourth year Bachelor of Science (Kinesiology) student was one of three Dalhousie students in 2005 to win one of the three Rhodes Scholarships awarded annually to Canada's Atlantic region for study at Oxford University. The Rhodes Scholarship, first established in 1902, is the oldest of the international study awards available to Canadian students. Of all the Dalhousie student to have won this award since its inception, Matthew Knox was the first ever recipient from the Faculty of Health Professions. The criteria for the Rhodes Scholarship, set down in the Will of the British philanthropist and colonial pioneer, are high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor. These basic characteristics are directed at fulfilling Cecil Rhodes' hopes that Rhodes Scholars would make an effective and positive contribution throughout the world. These criteria will be used as guidelines in the determination of appropriate prospective student recipients in the School of Health and Human Performance for the Matthew Knox Award on a perpetual basis.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lawtons Drugs Bursary

This bursary is awarded to a student entering second, third, or fourth year, who is from the Atlantic Provinces. The student will have attained a satisfactory academic standing and demonstrated financial need.

Eligibility: Available to students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Kim Rilda LeBlanc Memorial Award in Healing and the Arts

This award was established to recognize outstanding interdisciplinary initiatives between the arts and the health sciences, and it honours the memory of this former graduate student in English. Faculty may nominate students who have completed an outstanding project, thesis, or research essay that combines work in the humanities or the arts with work in medicine or health care.

Eligibility: Available to undergraduate and graduate students in the Faculties of Arts & Social Sciences, Health Professions, and Medicine.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

The Janet Lee Myers Memorial Bursary

The bursary was established in 1998 by family, friends and colleagues of the late Janet Lee Myers BSW'88 to honour her 20 years of professional service in the community. The recipients of the Janet Lee Myers Memorial Bursary will have demonstrated financial need and the highest values of humanity, community, and service in the study of social work and in contributions to the School of Social Work.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Raoul Leger Memorial Humanitarian Award

This award was established to honour the memory of Raoul Leger, who received a Master's degree in Social Work from Dalhousie University in 1977. His work at home and abroad exemplified his commitment to community development, peace, and social justice. This award is presented to a graduating BSW or MSW student who is nominated on the basis of achievement with a continued involvement in critical social issues.

Application Type: Automatic Consideration – No Application Required

Leisure Research Congress Award

The Fifth Canadian Congress on Leisure Research set up an endowment to provide an annual award to a student who has graduated from the Bachelor of Science (Recreation) program. The recipient will have attained a cumulative GPA of 3.00 or higher and will have demonstrated an aptitude for research related to Recreation and Leisure.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

George MacDonald Bursary

An endowment was established to honour Mr. George MacDonald on his retirement from W. Horner Inc. recognizing 37 years of service to the industry. This Bursary is awarded to a deserving Pharmacy Student, from the Atlantic Provinces who has satisfactorily completed at least one year of study at the College of Pharmacy and who demonstrates financial need.
Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will be a resident of one of the Atlantic Provinces (NB, NS, NL, PEI).
Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

Lloyd MacInnis Memorial Bursary

The Lloyd Y. MacInnis Memorial Award Fund was established to provide an annual bursary to a qualifying student who is continuing his or her studies at the School in the baccalaureate program beyond first year.
Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Col. J. D. B. F. MacKenzie Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to a student from New Brunswick who excels in the first year courses of the Pharmacy curriculum.
Eligibility: Available to students completing first year of the Bachelor of Science - Pharmacy program at Dalhousie.
Application Type: Contact the Department, School, or College for more information

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Tim Mackenzie Memorial Award

This award, in memory of Tim Mackenzie, a 1977 graduate of the School of Radiological Technology, is awarded to a graduating Radiological Technology student and is based on high standards of clinical practice and the respect of patients' rights and needs as individuals.
Application Type: Automatic Consideration – No Application Required

Elizabeth MacKinnon Lambie Award for Nutrition

Elizabeth Lambie was a professor at Dalhousie School of Nursing for more than 23 years. She taught classes on human nutrition, the role of nutrition in health promotion and community development, and the economic, social and physical determinants of eating practices. She is a Life Member of the Atlantic Region of the Canadian Association of University Schools of Nursing; a Charter member, Past President, Nova Scotia Dietetics Association; Past President, Fellow, Canadian Dietetics Association; Past President, Public Health Association of Nova Scotia, and Board Member, International Council on Women's Health Issues. The recipient of this monetary award is a graduating student who has demonstrated the ability to apply community nutrition knowledge to the Nursing profession.

Application Type: Automatic Consideration – No Application Required

Fred R. MacKinnon Award in Social Work

This award was established with donations made by colleagues and friends of Fred R. MacKinnon and from profits from the same of his book 'Reflections: 55 years of Public Service in Nova Scotia'. This fund will provide two awards annually.

Eligibility: The recipients will be enrolled in the course 'Perspectives on Social Welfare Policy' (SLWK 3012) and each recipient will have demonstrated good academic standing and a keen interest in social welfare policy. Recipients will be enrolled in the Bachelor of Social Work program (School of Social Work).

Application Type: Automatic Consideration – No Application Required

The Dr. Jessie I. MacKnight Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to the student who excels in the second year courses of the Pharmacy class.

Eligibility: Available to students completing second year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Dr. Jessie I. MacKnight and Miss Mona W. Fleming Award in Hospital Pharmacy

This award is presented annually to a student from New Brunswick and to a student from Nova Scotia who have completed outstanding work in the hospital portion of the practical experience program and in the fourth year Skills Laboratory class. It is desirable that the recipients demonstrate an interest in hospital pharmacy practice.

Application Type: Automatic Consideration – No Application Required

J. Bernard MacNeil Memorial Award

This award is to honor the memory of J. Bernard McNeil and to provide a Bachelor of Social Work student entering their second year of studies who achieves high academic standing and who best meets the criteria of financial need and shows promise of making future contributions to the profession of Social Work in the areas of Criminology or Corrections. Preference will be given to a student from Cape Breton, Nova Scotia.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Manrex Medication Delivery Bursary

This bursary is awarded bi-annually to a student entering their fourth year of study at the College of Pharmacy as a full-time student. The student must have achieved satisfactory academic performance and demonstrate financial need.

Eligibility: Available to students entering fourth year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

Dr. Robert H. Martin Prize

In memory of Dr. Robert H. Martin, this prize is awarded to a member of the graduating class in Nuclear Medicine Technology with the highest combined evaluation in clinical and academic performance over the four years of the degree.

Application Type: Automatic Consideration – No Application Required

Hanna G. Matheson Bursaries

These bursaries are available to students enrolled in the Bachelor of Social Work or Master of Social Work degree programs on the basis of need. The fund is administered by the Registrar's Office.

Eligibility: Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Heather Mattice Memorial Award

The friends and family of Heather Mattice, a former student of Nuclear Medicine Technology, established this award in her memory. It is given to a student entering year four in Nuclear Medicine Technology and is based on financial need, academic standing, community and campus involvement, and recommendation of the Nuclear Medicine Technology faculty.

Application Type: Automatic Consideration – No Application Required

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

McKesson Medal

This medal is awarded annually to the student on graduation who has obtained the second highest aggregate mark during his/her four years at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

McNeill, Rhodes, Karayacoubian Award

This award will be given to a Pharmacy student at the completion of his/her third year of the program. The recipient must have attained satisfactory academic standing and must be an active member of the class participating in college activities such as For the Health Of It, the class skit, and be a member of an intramural team.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Nicholas P. Meagher Memorial Bursary

Established in honour of Nicholas P. Meagher who received a BSc from Dalhousie in 1948 and was a popular and respected pharmacist at Dunsworth's Pharmacy on Quinpool Road for all of his working life. This fund annually supports one or more bursaries for students in the Pharmacy program who have demonstrated financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Medigas Award for Clinical Achievement in Community Care

This award is presented to a student who has successfully completed the third year of the BHSc degree in Respiratory Therapy. The successful candidate is chosen by the Respiratory Therapy faculty based on a minimum GPA of 3.30, a minimum grade of A- in RSPT3250, and a demonstration of outstanding home care rotation.

Application Type: Automatic Consideration – No Application Required

Merck Canada Ltd Pharmacy Award

This award, and the books, The Merck Index and The Merck Manual, are presented to the student entering third year who excels in Pharmaceutical Sciences (Medicinal Chemistry, Pharmacokinetics).

Application Type: Automatic Consideration – No Application Required

Merck Evidence-Based Clinical Practice Award

This award is presented to a graduating student who has demonstrated outstanding interest, aptitude and leadership in the development and application of evidence-based and critical appraisal skills.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Roger Montigny Memorial Award

This award was established by family, friends, and colleagues in memory of L. Roger Montigny, a graduate of the Class of 1974. This award is presented to a third year student from Prince Edward Island who demonstrates a passion for Pharmacy and an interest in practicing Community Pharmacy. The recipient must demonstrate satisfactory academic standing and financial need.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will be residents of Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

Donald Moore Memorial Award in Pharmacy

The Donald Moore Memorial Award was established with donations made by family, friends, and a generous on-going grant from Shopper's Drug Mart Associates in memory of the late Donald Moore, a well-known leader in Hospital and Community Pharmacy in New Brunswick. This award is presented to a student entering third year who has satisfactory scholastic achievement, and who has demonstrated well-rounded skills by making a significant and continuing contribution to the student body at the College of Pharmacy and/or Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Natural Medicines Comprehensive Database Recognition Award

The recipient of this award will be a graduating student who demonstrates an interest in natural products. The recipient will receive a one-year subscription to Natural Medicines Comprehensive Database website, access to the mobile app version of the database, and an Award Certificate.

Application Type: Automatic Consideration – No Application Required

New Brunswick College of Pharmacists Bursaries

The New Brunswick College of Pharmacists offers four bursaries to be awarded to the students from New Brunswick completing the first, second, and third years of the Pharmacy class. The bursaries are awarded on the basis of need to those students whose academic achievement, promise, and character are acceptable.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick.

Application Type: Contact the Department, School, or College for more information

The New Brunswick College of Pharmacists Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to the student from New Brunswick who excels in the third year courses of the Pharmacy curriculum.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

New Brunswick College of Pharmacists Centennial Medal

In conjunction with its 100th anniversary of incorporation, the College has established this commemorative medal to be presented annually to the New Brunswick student who has attained the highest aggregate mark during his/her four years at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. Hugh A. Noble Award

This award is given to a graduating student from one of the four undergraduate degree programs in the School of Health and Human Performance. The awarding is based on academic accomplishments, qualities of citizenship as shown by involvement outside the University, leadership qualities as demonstrated in activities inside the University, and an estimate of the candidate's potential for contributing to the profession.

Application Type: Automatic Consideration – No Application Required

Phyllis Noerager Stern Award

Phyllis Noerager Stern was a Director and Professor of the Dalhousie School of Nursing for over eight years. She taught courses in Trans-Cultural Nursing, Maternity Nursing and Research Methods. Dr. Stern received a PhD in Family Health from the University of California and an honorary PhD from Dalhousie University. She went on to be Chair of the Department of Parent-Child Nursing at Indiana University, editor of Women's Health International, and president of the International Council on Women's Health Issues. The recipient of this award is a graduating student who has (in the opinion of his/her peers) made outstanding contributions to the student body throughout the year.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Nova Scotia Association of Certified Dispensers Prize

This prize of a book will be awarded annually to the top student in the first year Skills Laboratory. The prize was established in 1984 with the gift of funds to provide the initial award and to set up an endowment to provide subsequent awards.

Application Type: Automatic Consideration – No Application Required

Nova Scotia Association of Social Workers' Bursary

The NSASW provides an annual bursary to a BSW student who best meets the selection criteria of financial need, satisfactory academic progress, and demonstrates social work values in prior endeavours. The recipient is expected to contribute in some way to the NSASW while a student at the School.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nova Scotia College of Medical Laboratory Technologists (NSCMLT) Awards

These three awards, sponsored by NSCMLT, are given to students, one from each of the classes entering second, third, and fourth years of the BHS in Diagnostic Cytology, and who have consistently demonstrated clinical and academic excellence and maintained a minimum GPA of 3.30. Students who have completed third year must also demonstrate diagnostic excellence and clinical proficiency as well as excellence in professional practice and respect for the patient.

Application Type: Automatic Consideration – No Application Required

The Nova Scotia College of Pharmacists Centennial Award

In conjunction with its 100th anniversary of incorporation, the Society has established an award. Candidates will have a satisfactory academic standing and show aptitude for the profession. The financial need of the student may be considered in selecting recipients for the award.

Application Type: Automatic Consideration – No Application Required

Nova Scotia College of Pharmacists Memorial Award

The Society has established an award in memory of past members and friends of the Society. The award is available to a qualifying student who possesses good academic standing and aptitude for the profession. The financial need of the student may be considered in selecting the recipient for the award.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

School of Nursing Undergraduate Bursary

This endowment was established to provide an annual bursary to one or more students in the second or third year of the Bachelor of Nursing program. Students enrolled in the accelerated program must have completed at least one full year of the undergraduate nursing program before applying. Students must be enrolled in at least four courses and be in good academic standing.

Eligibility: Available to students entering second or third year of the Bachelor of Science - Nursing program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Palliative Care Nursing Award

For over one hundred years, the Victoria General Hospital School of Nursing in Halifax educated quality, caring, and compassionate nurses. In 1995, the last class graduated. The VGH School of Nursing Alumni continues to keep memories alive of this diploma School of Nursing that was one of the oldest in Canada. The recipient of this monetary award is a student graduating from the Basic Degree program who has demonstrated exceptional nursing practice, professionalism, and compassion while caring for patients in the area of Palliative Care Nursing.

Application Type: Automatic Consideration – No Application Required

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

Pharmasave Bursaries

Three bursaries are offered annually to students who have completed one to three years, have satisfactory academic standing, have contributed to community service, and show financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

PHE (Physical and Health Education) Canada Student Award

This award recognizes undergraduate student leadership in the field of health, physical education, recreation, or dance.

Application Type: Automatic Consideration – No Application Required

Doreen Plummer Memorial Bursary in Nursing

This award is named to honour Stephen Plummer's mother, Doreen Plummer. She was born in St. Thomas, Ontario in 1925. Doreen became a nurse after moving to Saint John, NB. She practiced for a year in New York City in 1948 before returning to Saint John to work as a nurse for a prominent eye doctor. As was typical for her time, Doreen put her career on hold to raise five children, but always felt a strong identity as a nurse and believed that her nursing knowledge and experience was an asset to her subsequent role as a mother.

Eligibility: Awarded to a third or fourth year student who has graduated from a high school in Nova Scotia who is enrolled in the BSc (Nursing) program, and who demonstrates financial need.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Dr. John C. Pooley Sportsperson Award

This award is presented to the student who has contributed significantly to the development of a sport.

Application Type: Automatic Consideration – No Application Required

M. Caroline Prince Scholarship

An endowment of funds by the late M. Caroline Prince for the benefit of the School of Social Work provides for the award of one or more scholarships to students engaged either in full time or part time study leading to the baccalaureate degree in Social Work. The award is made at the end of the winter term upon recommendation of course instructors to the School's Bachelor of Social Work committee.

Eligibility: Available to current students in the Bachelor of Social Work program.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The B. Trevoy Pugsley Memorial Pharmacy Award

This award was established by a bequest from the Estate of B. Trevoy Pugsley for an undergraduate student who has completed one or more years of the Pharmacy class. The criteria for the selection of the recipient are based on academic standing, aptitude for Pharmacy and qualities of character. Financial need may also be considered.

Application Type: Automatic Consideration – No Application Required

The Mrs. Vera B. Pugsley Award

This award was established by a bequest from the Vera B. Pugsley estate. This award will be presented annually to a student who successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year. Candidates must have attained a satisfactory academic standing and must show promise of making future contributions to the profession of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Radiologist's Award (DMUT)

This award is sponsored by the QEII Health Sciences Radiologist Group and are awarded to a graduating student in the Diagnostic Medical Ultrasound program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Radiologist's Award (MRIT)

This award is sponsored by the QEII Health Science Radiologist Group and is awarded to a graduating student of the Magnetic Resonance Imaging Certificate Program. The successful candidate is chosen based on the highest cumulative GPA of 3.30 or higher based on MRIT courses.

Application Type: Automatic Consideration – No Application Required

Value: \$150

Radiologist's Award (NUMT)

This award is sponsored by the QEII Health Sciences Radiologist Group and is awarded to a graduating student in the Nuclear Medicine Technology program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Radiologist's Awards (RADT)

This award is sponsored by the QEII Health Sciences Radiologist Group and is awarded to a graduating student in the Radiological Technology program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Registered Nurses Professional Development Centre Award (RN-PDC)

The recipient of this monetary award is a student graduating from the BScN Degree Program who has participated in the Acute Care Nursing elective. The recipient has demonstrated exceptional nursing practice in the care of the individual and family in an intermediate acute care setting and is identified as having potential in adult acute care nursing practice.

Application Type: Automatic Consideration – No Application Required

Rho Rho Nursing Leadership Award

The Rho Rho Leadership Award is granted to a student graduating from an Undergraduate Nursing Degree Program who has demonstrated leadership excellence in academic and clinical practice. This award is supported by Rho Rho Chapter of Sigma Theta Tau International. The recipient of this monetary award is nominated by professors and clinical instructors of the BScN Degree Program.

Application Type: Automatic Consideration – No Application Required

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Calvin Ruck Scholarship

This scholarship is for Bachelor of Social Work and Master of Social Work African Nova Scotian students who have demonstrated a desire to improve the social conditions and further the interests of African Nova Scotian/Canadian people and their communities through the study and practice of Social Work. Careful consideration will be given to the purposes and vision of NSAACP and to the qualities of courage, generosity, persistence, and leadership that characterizes Dr. Ruck's life and work.

Eligibility: Available to current Black students in the Bachelor and Master of Social Work programs. Applicants must be residents of Nova Scotia.

Application Type: Contact the Department, School, or College for more information

John J. Ryan Award of Excellence in Pharmacy Administration

This award is presented to a graduating student who has demonstrated outstanding aptitude in the development and application of medication management and has achieved the top overall mark in all the social/administrative pharmaceutical sciences content of the curriculum.

Application Type: Automatic Consideration – No Application Required

John J. Ryan Pharmacy Administration Awards

These two awards are presented annually to the students who excel in PHAR 4060 (Advanced Patient Health Management) and PHAR 1060 (Pharmacy Law and Health Care Ethics). Financial need will also be considered. This award was made possible through income of the John J. Ryan Fund.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Sandoz Canada Bursary

This bursary is awarded to a student enrolled full-time in the College who demonstrates financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

Sandoz Pharmacy Administration Award

This award is presented to the student who excels in Medication Use Management, PHAR 2060.

Application Type: Automatic Consideration – No Application Required

Sanofi Aventis Scholarship

This scholarship is to be presented annually to an outstanding Pharmacy student who has successfully completed one or more years at the College of Pharmacy.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

The Leigh Semple Memorial Award

An endowment has been established to provide an annual award to a third year Pharmacy student from Prince Edward Island who has demonstrated strong academic ability and involvement in student activities.

Application Type: Automatic Consideration – No Application Required

VIIth Pan American Wheelchair Games Scholarship

This is an in-course award given to a student entering the third or fourth year of study in the School. The student must be committed to pursuing study in the area of recreation and leisure for the disabled. Selection is based on academic and professional capability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shoppers Drug Mart Community Pharmacy Bursaries

Shoppers Drug Mart will sponsor three bursaries to awardees selected by the College. The selection committee will consider candidates on the basis of financial need, student involvement, academic proficiency, and potential for contributing to the pharmacy profession. Successful applicants will have completed the first, second, or third year.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

Dr. Samar B. Singh Prize in Anatomy

An endowment fund has been established for the purpose of providing a prize to the highest standing student in first year Anatomy among Nursing and Pharmacy enrollees. The prize, consisting of a book or books to the approximate value of \$100, is a memorial to Dr. Singh, a long-time member of the Department of Anatomy. The awardee will be selected by the Head of the Department.

Application Type: Automatic Consideration – No Application Required

Value: \$100

Dr. J. Singleton Leadership Award

This award is given annually in recognition of a Dalhousie University student's involvement and commitment to Therapeutic Recreation professional organizations.

Application Type: Automatic Consideration – No Application Required

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The School of Social Work BSW Alumni Scholarship

This alumni award has been established to support financial awards to be given to students in the Bachelor of Social Work degree program who demonstrate the highest values of humanity, community, and service in the study of Social Work as reflected in contributions to the learning environment of the School. A student must be nominated for this award.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.
Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.
Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Teva Canada Pharmacy Award

This award is given to the student who excels in the second year Pharmacokinetics class.
Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Trudell Medical Marketing Limited Award

This award is given to a student completing the third year in Respiratory Therapy and is based on GPA, commitment to clinical excellence during the three years of study, and evidence of extracurricular involvement.
Application Type: Automatic Consideration – No Application Required

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Health and Human Performance

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.
Application Type: Automatic Consideration – No Application Required

University Medal in Health Sciences

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.
Application Type: Automatic Consideration – No Application Required

University Medal in Pharmacy

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

The Freda N. Wales Memorial Scholarship

This is an in-course award given to a student entering the third or fourth year of study. The student must have a commitment to pursuing a program specializing in Outdoor Leadership at Dalhousie University. Selection will be based on academic achievement and professional ability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Sonja R. Weil Memorial Bursary

Family and friends established this endowment in memory of Sonja Weil and in tribute to her work as a social worker and psychotherapist. This bursary is open to students in the Bachelor of Social Work and Master of Social Work programs, although first priority is given to graduate students who demonstrate financial need, satisfactory academic standing, and interest in those areas which most closely reflect Sonja Weil's work in child and family therapy.

Eligibility: Available to current students in the Bachelor and Master of Social Work programs at Dalhousie, with preference given to graduate students. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Application Deadline: October 15

The Whelan Family Award in Pharmacy

This award is presented to a student from New Brunswick, who has completed years 1, 2, or 3 and shows an aptitude for patient-centred care as demonstrated by excelling in Pharmacy Skills Lab.

Application Type: Automatic Consideration – No Application Required

Jane Wisdom Memorial Bursary

When Jane Wisdom began her caring work in Halifax shortly before the Great Explosion of 1917, she was truly a pioneer in what has come to be known as Social Work. It is in recognition of her distinguished service that anonymous donors in 1977 established an endowment fund whereby one or more annual bursaries to one or more deserving students would be granted to students in the baccalaureate program of the School of Social Work at Dalhousie University.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Women's Division of the Dalhousie Alumni Association Medal

The recipient of this medal is a graduating student with the highest cumulative GPA in the BScN Basic Degree program.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Health Administration

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering,

Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do

something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Health Promotion

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. M. J. Ellis Award

This award was established to give recognition to a graduating student who demonstrates exceptional interest and ability in research in one of the four undergraduate degree programs.

Eligibility: Available to graduating undergraduate students in the School of Health and Human Performance.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application
Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Matthew Knox Award

This award was inaugurated in 2005 to recognize and honour the accomplishments of the individual whose name this award bears. Matthew Knox, a fourth year Bachelor of Science (Kinesiology) student was one of three Dalhousie students in 2005 to win one of the three Rhodes Scholarships awarded annually to Canada's Atlantic region for study at Oxford University. The Rhodes Scholarship, first established in 1902, is the oldest of the international study awards available to Canadian students. Of all the Dalhousie student to have won this award since its inception, Matthew Knox was the first ever recipient from the Faculty of Health Professions. The criteria for the Rhodes Scholarship, set down in the Will of the British philanthropist and colonial pioneer, are high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor. These basic characteristics are directed at fulfilling Cecil Rhodes' hopes that Rhodes Scholars would make an effective and positive contribution throughout the world. These criteria will be used as guidelines in the determination of appropriate prospective student recipients in the School of Health and Human Performance for the Matthew Knox Award on a perpetual basis.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.
Eligibility: Available to any Dalhousie undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Dr. Hugh A. Noble Award

This award is given to a graduating student from one of the four undergraduate degree programs in the School of Health and Human Performance. The awarding is based on academic accomplishments, qualities of citizenship as shown by involvement outside the University, leadership qualities as demonstrated in activities inside the University, and an estimate of the candidate's potential for contributing to the profession.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

PHE (Physical and Health Education) Canada Student Award

This award recognizes undergraduate student leadership in the field of health, physical education, recreation, or dance.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Health and Human Performance

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Health Sciences

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application
Value: \$4,000

Dorothy Archibald Award

This award is sponsored by Dorothy Archibald, a lifetime member with CAMRT, who is dedicated in her retirement to advancement of the Medical Radiation Technology professions. Awarded to two full-time students (one in each of Nuclear Medicine Technology and Radiological Technology) who have successfully completed Clinical Practicum II.

Application Type: Contact the Department, School, or College for more information

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Margaret Barrett-Banks Memorial Award

This cash award is sponsored by the Margaret Barrett-Banks memorial fund in memory of Margaret Barrett-Banks, a dedicated health professional and educator. This is awarded to a student entering the fourth year of the BHSc degree program and is based on GPA, demonstration of financial need, demonstration of contribution to the community, university, and/or health system through leadership and voluntary activities.

Application Type: Contact the Department, School, or College for more information

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

BRACCO Imaging Canada Award

This award is sponsored by the Bracco Imaging Canada and is awarded to a graduating student of the Magnetic Resonance Imaging Certificate Program. This award is intended for a student who has demonstrated exceptional clinical skills during Specialty Practice in MRI based on clinical observations.

Application Type: Contact the Department, School, or College for more information

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must

submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

Ali Cameron Memorial Award

This award is sponsored by the Dalhousie Students Association of Health Sciences in memory of Ali Cameron. Ali was a Respiratory Therapy student at the Dalhousie School of Health Sciences from 2011 until she lost her battle with leukemia in 2013. This gift is awarded to a full-time Respiratory Therapy student who has entered clinical practicum II (RSPT 2500).

Eligibility: Available to current 2nd year students in the Bachelor of Health Science - Respiratory Therapy program. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ian Collins Memorial Pediatric Award

This award is sponsored by the Canadian Cystic Fibrosis Foundation and the IWK Health Centre Respiratory staff. The award is presented to a student completing year three in Respiratory Therapy and is chosen based on demonstration of outstanding neonatal and pediatric care, outstanding academic, laboratory, and clinical achievement and contribution to the care of cystic fibrosis patients and their families.

Application Type: Contact the Department, School, or College for more information

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated

financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raeffe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raeffe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Elsevier Canada Book Award

This award is sponsored by Elsevier Canada and is awarded to two full time students: a Respiratory Therapy student who has completed first year and a Diagnostic Imaging student who has completed first year. These awards are based on highest cumulative GPA and completion of Clinical Practicum I.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

BHSc Faculty Award

This award is given to the graduating student with the highest cumulative GPA following four consecutive years in the BHSc program.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Cynthia Johnson Evans Award

This award is sponsored by the Nova Scotia Society of Diagnostic Medical Sonographers in memory of Cynthia Johnson Evans, former educator and sonographer. It is awarded to the student who has consistently demonstrated high standards of clinical practice upon completion of year three in Diagnostic Medical Ultrasound.

Application Type: Contact the Department, School, or College for more information

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tim Mackenzie Memorial Award

This award, in memory of Tim Mackenzie, a 1977 graduate of the School of Radiological Technology, is awarded to a graduating Radiological Technology student and is based on high standards of clinical practice and the respect of patients' rights and needs as individuals.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Dr. Robert H. Martin Prize

In memory of Dr. Robert H. Martin, this prize is awarded to a member of the graduating class in Nuclear Medicine Technology with the highest combined evaluation in clinical and academic performance over the four years of the degree.
Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Heather Mattice Memorial Award

The friends and family of Heather Mattice, a former student of Nuclear Medicine Technology, established this award in her memory. It is given to a student entering year four in Nuclear Medicine Technology and is based on financial need, academic standing, community and campus involvement, and recommendation of the Nuclear Medicine Technology faculty.
Application Type: Automatic Consideration – No Application Required

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Medigas Award for Clinical Achievement in Community Care

This award is presented to a student who has successfully completed the third year of the BHSc degree in Respiratory Therapy. The successful candidate is chosen by the Respiratory Therapy faculty based on a minimum GPA of 3.30, a minimum grade of A- in RSPT3250, and a demonstration of outstanding home care rotation.
Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.
Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.
Eligibility: Available to any Dalhousie undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nova Scotia College of Medical Laboratory Technologists (NSCMLT) Awards

These three awards, sponsored by NSCMLT, are given to students, one from each of the classes entering second, third, and fourth years of the BHS in Diagnostic Cytology, and who have consistently demonstrated clinical and academic excellence and maintained a minimum GPA of 3.30. Students who have completed third year must also demonstrate diagnostic excellence and clinical proficiency as well as excellence in professional practice and respect for the patient.

Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Radiologist's Award (DMUT)

This award is sponsored by the QEII Health Sciences Radiologist Group and are awarded to a graduating student in the Diagnostic Medical Ultrasound program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Radiologist's Award (MRIT)

This award is sponsored by the QEII Health Science Radiologist Group and is awarded to a graduating student of the Magnetic Resonance Imaging Certificate Program. The successful candidate is chosen based on the highest cumulative GPA of 3.30 or higher based on MRIT courses.

Application Type: Automatic Consideration – No Application Required

Value: \$150

Radiologist's Award (NUMT)

This award is sponsored by the QEII Health Sciences Radiologist Group and is awarded to a graduating student in the Nuclear Medicine Technology program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Radiologist's Awards (RADT)

This award is sponsored by the QEII Health Sciences Radiologist Group and is awarded to a graduating student in the Radiological Technology program with highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Trudell Medical Marketing Limited Award

This award is given to a student completing the third year in Respiratory Therapy and is based on GPA, commitment to clinical excellence during the three years of study, and evidence of extracurricular involvement.

Application Type: Automatic Consideration – No Application Required

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Health Sciences

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kinesiology

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the

best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Canadian Society for Exercise Physiology

The Society provides an annual medal to the School to be awarded to an outstanding student in the Bachelor of Science (Kinesiology) program. The recipient will be the graduating student who has achieved the highest academic standing in their undergraduate class in the scientific portion of the curriculum.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. M. J. Ellis Award

This award was established to give recognition to a graduating student who demonstrates exceptional interest and ability in research in one of the four undergraduate degree programs.

Eligibility: Available to graduating undergraduate students in the School of Health and Human Performance.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Matthew Knox Award

This award was inaugurated in 2005 to recognize and honour the accomplishments of the individual whose name this award bears. Matthew Knox, a fourth year Bachelor of Science (Kinesiology) student was one of three Dalhousie students in 2005 to win one of the three Rhodes Scholarships awarded annually to Canada's Atlantic region for study at Oxford University. The Rhodes Scholarship, first established in 1902, is the oldest of the international study awards available to Canadian students. Of all the Dalhousie student to have won this award since its inception, Matthew Knox was the first ever recipient from the Faculty of Health Professions. The criteria for the Rhodes Scholarship, set down in the Will of the British philanthropist and colonial pioneer, are high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor. These basic characteristics are directed at fulfilling Cecil Rhodes' hopes that Rhodes Scholars would make an effective and positive contribution throughout the world. These criteria will be used as guidelines in the determination of appropriate prospective student recipients in the School of Health and Human Performance for the Matthew Knox Award on a perpetual basis.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. Hugh A. Noble Award

This award is given to a graduating student from one of the four undergraduate degree programs in the School of Health and Human Performance. The awarding is based on academic accomplishments, qualities of citizenship as shown by involvement outside the University, leadership qualities as demonstrated in activities inside the University, and an estimate of the candidate's potential for contributing to the profession.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

PHE (Physical and Health Education) Canada Student Award

This award recognizes undergraduate student leadership in the field of health, physical education, recreation, or dance.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Health and Human Performance

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nursing

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

Matthew Ayer Award for Community Nursing

The Matthew Ayer award was established in 2008 by the family and friends of Matthew Ayer in his memory. Matthew was a student in the BScN program at the time of his death in October 2007. The recipient of this monetary award is a student in the Bachelor of Science (Nursing) Program at the School of Nursing, Dalhousie University, who has excelled in working with populations living on the margins of society due to social injustices.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application
Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Capital Health Award for Professional Practice in Nursing (Basic Stream and Advanced Standing Stream - Basic Degree Program)

Selected by his/her peers, this award recognizes a student graduating from the Basic Degree Program (May Convocation) and the Advanced Standing Stream (October Convocation) who has demonstrated the qualities of professional practice. The recipient of this monetary award epitomizes the Standards of Nursing Practice of accountability and responsibility, continuing competence and application of knowledge and advocacy, and the CNA Code of Ethics for Registered Nurses.

Application Type: Automatic Consideration – No Application Required

Doreen Carroll Bursary in Cancer Nursing

As a result of receiving excellent care from registered nurses, the Carroll family sponsors a bursary to assist BScN students who demonstrate interest and proficiency in Cancer Nursing. Eligible recipients must be full time students in the third or fourth year of the BScN program. Applicants who have selected (an) oncology/palliative care nursing elective course(s) in their program of study will be given preference over other applicants. Students must complete the School of Nursing Undergraduate Bursary Application and also submit a written application to the School of Nursing, demonstrating their interest and proficiency in Cancer Nursing, as well as a desire to establish a career and practice in Cancer Nursing.

Eligibility: Available to full-time students entering third or fourth year of the Bachelor of Science - Nursing program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assist a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Melda Dashevsky Memorial Award

Melda Dashevsky (nee Crocker) graduated from Victoria General Hospital School of Nursing in 1962 and worked in many areas of nursing across Canada. She and several of her family members experienced struggles with cancer and benefited from the nursing care they received. This award is provided by Mrs. Dashevsky's husband, in her memory, and was originally presented to a student graduating from the Victoria General Hospital School of Nursing. The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated interest and proficiency in Oncology Nursing.

Application Type: Automatic Consideration – No Application Required

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Mary-Lou Ellerton Prize in Clinical Nursing

Professor Mary-Lou Ellerton was the Associate Director, Undergraduate Program Planning and Development at the School of Nursing, Dalhousie University. She was a graduate of the Universities of Ottawa and McGill and joined the faculty of the Dalhousie School of Nursing in 1979. She devoted her professional life to fostering excellence in clinical practice and made many significant contributions to both graduate and undergraduate programs in the School of Nursing as well as to the University and the broader nursing profession. Professor Ellerton was a woman of courage, integrity, wisdom and wit. She was posthumously awarded the IWK Health Centre's highest honour, the Award of Distinction. The recipient of this award is a graduating student who has consistently received excellent evaluations in the clinical nursing components of the program.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Elsevier Canada Award

The recipient of this monetary award is a student graduating from the Basic Degree Program or the Post RN Degree Program who has shown progressive academic achievement.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Heather Fraser-Davey Book Award

Heather Fraser-Davey was a professor with the Dalhousie School of Nursing for more than 24 years. She received her PhD in Adult Education from Dalhousie. She taught Pediatric and Surgical Nursing as well as Maternal-Child Nursing. Heather was involved in establishing a link with the Queen Margaret College, Department of Nursing, Edinburgh, Scotland. She also worked with the Tanzania project which linked the School of Nursing, Dalhousie and the School of Nursing, University of Dares Salaam. She is Past President and a Life Member of the Atlantic Region of Canadian Association of University Schools of Nursing. Heather also held an Honorary Research Associate position in the School of Education, Dalhousie University. The recipient of this monetary award is a graduating student who has demonstrated interest in international nursing and nurse midwifery.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Certificate (Basic Degree Program)

The recipient of this award is a student graduating from the Basic Degree Program with the highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Certificate (Post RN Degree Program)

The recipient of this award is a student graduating from the Post RN Degree Program with the highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

Highest Academic Achievement Prize (Undergraduate Degree Program)

The recipient of this monetary award is a student graduating from the Basic Degree Program or the Post RN Degree Program with the highest cumulative GPA.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

IWK Health Centre Prize for Excellence in the Care of Children and Families

The recipient of this monetary award is a student who has demonstrated critical thinking, advocacy, and autonomy in nursing children and their families in hospitals, homes, and communities.

Application Type: Automatic Consideration – No Application Required

IWK Medical, Dental, and Scientific Staff Award for Excellence in Children's Nursing

The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated excellence in the area of Children's Nursing.

Application Type: Automatic Consideration – No Application Required

IWK Medical, Dental, and Scientific Staff Award for Excellence in Women's and Newborn Nursing

The recipient of this monetary award is a student graduating from the Basic Degree Program who has demonstrated excellence in the area of Women's and Newborn Nursing.

Application Type: Automatic Consideration – No Application Required

Johnson Insurance Bursary in Nursing

This bursary is sponsored by Johnson Insurance to provide financial assistance to a student enrolling in the undergraduate nursing program.

Eligibility: Awarded to a student from Atlantic Canada enrolled in the Bachelor of Science (Nursing) program and who demonstrates financial need.

Application Type: Contact the Department, School, or College for more information
Value: \$2,500

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Elizabeth MacKinnon Lambie Award for Nutrition

Elizabeth Lambie was a professor at Dalhousie School of Nursing for more than 23 years. She taught classes on human nutrition, the role of nutrition in health promotion and community development, and the economic, social and physical determinants of eating practices. She is a Life Member of the Atlantic Region of the Canadian Association of University Schools of Nursing; a Charter member, Past President, Nova Scotia Dietetics Association; Past President, Fellow, Canadian Dietetics Association; Past President, Public Health Association of Nova Scotia, and Board Member, International Council on Women's Health Issues. The recipient of this monetary award is a graduating student who has demonstrated the ability to apply community nutrition knowledge to the Nursing profession.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Phyllis Noerager Stern Award

Phyllis Noerager Stern was a Director and Professor of the Dalhousie School of Nursing for over eight years. She taught courses in Trans-Cultural Nursing, Maternity Nursing and Research Methods. Dr. Stern received a PhD in Family Health from the University of California and an honorary PhD from Dalhousie University. She went on to be Chair of the Department of Parent-Child Nursing at Indiana University, editor of Women's Health International, and president of the International Council on Women's Health Issues. The recipient of this award is a graduating student who has (in the opinion of his/her peers) made outstanding contributions to the student body throughout the year.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

School of Nursing Undergraduate Bursary

This endowment was established to provide an annual bursary to one or more students in the second or third year of the Bachelor of Nursing program. Students enrolled in the accelerated program must have completed at least one full year of the undergraduate nursing program before applying. Students must be enrolled in at least four courses and be in good academic standing.

Eligibility: Available to students entering second or third year of the Bachelor of Science - Nursing program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Palliative Care Nursing Award

For over one hundred years, the Victoria General Hospital School of Nursing in Halifax educated quality, caring, and compassionate nurses. In 1995, the last class graduated. The VGH School of Nursing Alumni continues to keep memories alive of this diploma School of Nursing that was one of the oldest in Canada. The recipient of this monetary award is a student graduating from the Basic Degree program who has demonstrated exceptional nursing practice, professionalism, and compassion while caring for patients in the area of Palliative Care Nursing.

Application Type: Automatic Consideration – No Application Required

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

Doreen Plummer Memorial Bursary in Nursing

This award is named to honour Stephen Plummer's mother, Doreen Plummer. She was born in St. Thomas, Ontario in 1925. Doreen became a nurse after moving to Saint John, NB. She practiced for a year in New York City in 1948 before returning to Saint John to work as a nurse for a prominent eye doctor. As was typical for her

time, Doreen put her career on hold to raise five children, but always felt a strong identity as a nurse and believed that her nursing knowledge and experience was an asset to her subsequent role as a mother.

Eligibility: Awarded to a third of fourth year student who has graduated from a high school in Nova Scotia who is enrolled in the BSc (Nursing) program, and who demonstrates financial need.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Registered Nurses Professional Development Centre Award (RN-PDC)

The recipient of this monetary award is a student graduating from the BScN Degree Program who has participated in the Acute Care Nursing elective. The recipient has demonstrated exceptional nursing practice in the care of the individual and family in an intermediate acute care setting and is identified as having potential in adult acute care nursing practice.

Application Type: Automatic Consideration – No Application Required

Rho Rho Nursing Leadership Award

The Rho Rho Leadership Award is granted to a student graduating from an Undergraduate Nursing Degree Program who has demonstrated leadership excellence in academic and clinical practice. This award is supported by Rho Rho Chapter of Sigma Theta Tau International. The recipient of this monetary award is nominated by professors and clinical instructors of the BScN Degree Program.

Application Type: Automatic Consideration – No Application Required

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Samar B. Singh Prize in Anatomy

An endowment fund has been established for the purpose of providing a prize to the highest standing student in first year Anatomy among Nursing and Pharmacy enrollees. The prize, consisting of a book or books to the approximate value of \$100, is a memorial to Dr. Singh, a long-time member of the Department of Anatomy.

The awardee will be selected by the Head of the Department.

Application Type: Automatic Consideration – No Application Required

Value: \$100

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Women's Division of the Dalhousie Alumni Association Medal

The recipient of this medal is a graduating student with the highest cumulative GPA in the BScN Basic Degree program.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Pharmacy

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Astra Zeneca (Canada) Bursary

Bursaries are given by Astra Zeneca to two students who have completed years 2 or 3 of the Pharmacy program and who have demonstrated financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

GR Buckley Community Pharmacy Award

This award is presented annually to a student who has completed outstanding work in the fourth year of the community practical experience program. The award is selected from nominations received from preceptors.

Application Type: Automatic Consideration – No Application Required

The Dean George A. Burbidge Memorial Award

This award is given by the Nova Scotia College of Pharmacists to a student completing third year, from Nova Scotia, for outstanding qualities of character and pharmaceutical ability at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The R. Frank Chandler Award

An endowment fund was established by Ortho Pharmaceutical (Canada) Ltd. in 1989 to support this award. It will be presented to a student entering the final year of

study at the College of Pharmacy. The candidate must have high qualities of character and spirit, must have well developed interpersonal skills, must show an aptitude and proficiency for the profession, and must show promise of making future contributions to the profession of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The F. R. Clayden Prize

This prize of a book is presented in memory of Mr. F. R. Clayden (Class of 1912) to a deserving student completing the first year courses of the Pharmacy program.

Application Type: Automatic Consideration – No Application Required

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

College of Pharmacists Dr. J. G. Duff Award

This award is given annually to a Nova Scotia student who demonstrates a commitment to professionalism, integrity, and compassion.

Application Type: Automatic Consideration – No Application Required

The Bert and Betty Collins Bursary

An endowment has been established to award an annual bursary to a deserving Pharmacy student from New Brunswick who demonstrates financial need and who has attained a satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick.

Application Type: Contact the Department, School, or College for more information

The Helen Corston Marshall Award in Pharmacy

This endowment was established in memory of Helen Corston Marshall, a student of the Maritime College of Pharmacy, by her family. This award is to be given annually to a student (or students) who has successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year. Candidates must have attained a satisfactory academic standing and must show promise of making future contributions to the profession of Pharmacy. Financial need may be considered.

Application Type: Automatic Consideration – No Application Required

CPhA Centennial Leadership Award

This award, presented by the Canadian Pharmacists Association (CPhA) enables a third year student to join pharmacists and fellow students at the Annual General Meeting of the Canadian Pharmacists Association. The award program exposes student winners to several facets of the profession including the pharmaceutical industry, innovative pharmacy practice sites, hospitals, and government agencies wherever possible. Selection is based on academic achievement and outstanding contributions to undergraduate activities.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dale Daley Pharmacy Award for Excellence

In 1990, Shoppers Drug Mart established an endowment to recognize the many contributions of Dale Daley to the profession of pharmacy. The award is presented annually to a third year Pharmacy student who has demonstrated a good academic standing and contributed to undergraduate life.

Application Type: Automatic Consideration – No Application Required

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory

contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The Sister Frances dePaul Award

This award, a reference book or a subscription to a professional journal, is offered annually by the Nova Scotia Branch of the Canadian Society of Hospital Pharmacists and is presented to a graduating student entering a hospital Pharmacy residency program, who is a member of CSHP, and excels in the PBL curriculum.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Becton Dickinson Award of Excellence in Endocrine Studies

This award will be presented to the student who has the highest mark in Pharmacy 3060 (Endocrine PBL block) at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Robert C. Dickison Memorial Award

This award is presented to a student from New Brunswick on the basis of academic achievement, financial need, and participation in student activities at the College of Pharmacy. The award is made available through a bequest of the late Mr. Charles D. Dickison.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

J. G. Duff Pharmacy Award

This was established by Dr. Duff's former students and associates in recognition of his contribution and devotion to pharmaceutical education in the Maritimes. The award and medal will be presented to a student entering the senior year for outstanding leadership and satisfactory scholastic attainment. A Senior Stick, bearing the names of the recipients, will be kept in trust by the Dalhousie Student Pharmacy Society. The recipient of the award will be selected by the student body.

Application Type: Automatic Consideration – No Application Required

Value: \$500

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Eric & Ryan Post-Pharmacy Leadership Award

This award is presented to a student who is completing their third year, who has demonstrated financial need, and has also made significant contributions to Pharmacy life at the College.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Dean J. Esmonde Cooke Award

This award is awarded annually to a student who has successfully completed one or more years of classes leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the coming year. Candidates must have attained a good academic standing and show promise of making future contributions to the profession of Pharmacy. The student must be a graduate of a high school in Nova Scotia and should not be the recipient of other concurrent awards. The Selection Committee may also consider the financial need. This award is sponsored by the Pharmacy Association of Nova Scotia.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Elizabeth Foy Bursary

In 2012 the Dalhousie University College of Pharmacy Student Endowment Committee established the Elizabeth Foy Bursary to recognize Elizabeth Foy who retired from Dalhousie University after 43 years of dedicated service to thousands of Pharmacy students. This bursary is given annually to a second or third year student who is an active participant in College activities, possesses excellent critical appraisal skills, and demonstrates a financial need.

Eligibility: Available to students entering second or third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Charles E. Frosst Award

This award is presented by Merck Canada Inc. to the student who has the highest standing in the third year class.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Jean Coutu Bursaries

Two bursaries are offered annually to students from New Brunswick who are completing the first, second, or third years of the Pharmacy program. These students must have satisfactory academic standing and financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Recipients must be residents of New Brunswick.

Application Type: Contact the Department, School, or College for more information

The Ralph H. Jenkins Memorial Pharmacy Scholarship

This scholarship is awarded by the Prince Edward Island Pharmaceutical Association to a student who has achieved a high academic standing.

Eligibility: Available to students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants must be residents of Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

Geri Kearnes Spirit of Pharmacy Award

This award is presented by the Nova Scotia College of Pharmacy to a fourth year student who has had a positive influence on the activities of the College of Pharmacy, who is regarded by others as hardworking and unpretentious, and who has a genuine and unfailing commitment to the practice of Pharmacy.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Jack Kidd/ANCA Bursary

In 1982, an endowment was established first for a scholarship and then changed to a bursary in 1987 which recognizes 43 years of service by Mr. Jack Kidd, a pharmaceutical sales representative with Anca Inc. It is awarded to a student from New Brunswick or Prince Edward Island who has successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick or Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The William Killorn Award

Shoppers Drug Mart Associates and the pharmaceutical industry have established an endowment to pay tribute to Bill Killorn in honour of his 46 years of service to Pharmacy in Atlantic Canada. The award is presented annually to a Pharmacy student who, in the view of the College's Awards Committee, demonstrates strong leadership skills and excels in academic and extracurricular activities.

Application Type: Automatic Consideration – No Application Required

The Honourable John J. Kinley Pharmacy Award

In 1972, Mrs. L. Kinley established an endowment in memory of her husband, the Honourable John J. Kinley, a pharmacist and former Canadian Senator. In order to be considered for the award, candidates must have satisfactory academic standing and show promise of contributing to the profession. The financial need of the applicant may also be considered by the Selection Committee. The income from an established fund will be used to provide a monetary award as well as a book.

Application Type: Automatic Consideration – No Application Required

Scott Knowles Memorial Pharmacy Award

This award was established by family, friends, and colleagues in memory of Scott Knowles, a graduate of the Class of 2007. The award is presented to a student from New Brunswick who exhibits a high degree of professionalism and possesses leadership qualities. Preference will be given to a student returning to New Brunswick to practice in an independent, rural, community-based pharmacy.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicant must be a resident of New Brunswick. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lawtons Drugs Bursary

This bursary is awarded to a student entering second, third, or fourth year, who is from the Atlantic Provinces. The student will have attained a satisfactory academic standing and demonstrated financial need.

Eligibility: Available to students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

George MacDonald Bursary

An endowment was established to honour Mr. George MacDonald on his retirement from W. Horner Inc. recognizing 37 years of service to the industry. This Bursary is awarded to a deserving Pharmacy Student, from the Atlantic Provinces who has satisfactorily completed at least one year of study at the College of Pharmacy and who demonstrates financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will be a resident of one of the Atlantic Provinces (NB, NS, NL, PEI).

Application Type: Contact the Department, School, or College for more information

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Col. J. D. B. F. MacKenzie Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to a student from New Brunswick who excels in the first year courses of the Pharmacy curriculum.

Eligibility: Available to students completing first year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. Jessie I. MacKnight Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to the student who excels in the second year courses of the Pharmacy class.

Eligibility: Available to students completing second year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Dr. Jessie I. MacKnight and Miss Mona W. Fleming Award in Hospital Pharmacy

This award is presented annually to a student from New Brunswick and to a student from Nova Scotia who have completed outstanding work in the hospital portion of the practical experience program and in the fourth year Skills Laboratory class. It is desirable that the recipients demonstrate an interest in hospital pharmacy practice.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Manrex Medication Delivery Bursary

This bursary is awarded bi-annually to a student entering their fourth year of study at the College of Pharmacy as a full-time student. The student must have achieved satisfactory academic performance and demonstrate financial need.

Eligibility: Available to students entering fourth year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

McKesson Medal

This medal is awarded annually to the student on graduation who has obtained the second highest aggregate mark during his/her four years at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

McNeill, Rhodes, Karayacoubian Award

This award will be given to a Pharmacy student at the completion of his/her third year of the program. The recipient must have attained satisfactory academic standing and must be an active member of the class participating in college activities such as For the Health Of It, the class skit, and be a member of an intramural team.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Nicholas P. Meagher Memorial Bursary

Established in honour of Nicholas P. Meagher who received a BSc from Dalhousie in 1948 and was a popular and respected pharmacist at Dunsworth's Pharmacy on Quinpool Road for all of his working life. This fund annually supports one or more bursaries for students in the Pharmacy program who have demonstrated financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Merck Canada Ltd Pharmacy Award

This award, and the books, The Merck Index and The Merck Manual, are presented to the student entering third year who excels in Pharmaceutical Sciences (Medicinal Chemistry, Pharmacokinetics).

Application Type: Automatic Consideration – No Application Required

Merck Evidence-Based Clinical Practice Award

This award is presented to a graduating student who has demonstrated outstanding interest, aptitude and leadership in the development and application of evidence-based and critical appraisal skills.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Roger Montigny Memorial Award

This award was established by family, friends, and colleagues in memory of L. Roger Montigny, a graduate of the Class of 1974. This award is presented to a third year student from Prince Edward Island who demonstrates a passion for Pharmacy and an interest in practicing Community Pharmacy. The recipient must demonstrate satisfactory academic standing and financial need.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will be residents of Prince Edward Island.

Application Type: Contact the Department, School, or College for more information

Donald Moore Memorial Award in Pharmacy

The Donald Moore Memorial Award was established with donations made by family, friends, and a generous on-going grant from Shopper's Drug Mart Associates in memory of the late Donald Moore, a well-known leader in Hospital and Community Pharmacy in New Brunswick. This award is presented to a student entering third year who has satisfactory scholastic achievement, and who has demonstrated well-rounded skills by making a significant and continuing contribution to the student body at the College of Pharmacy and/or Dalhousie University.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students

must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Natural Medicines Comprehensive Database Recognition Award

The recipient of this award will be a graduating student who demonstrates an interest in natural products. The recipient will receive a one-year subscription to Natural Medicines Comprehensive Database website, access to the mobile app version of the database, and an Award Certificate.

Application Type: Automatic Consideration – No Application Required

The New Brunswick College of Pharmacists Scholarship

This scholarship is awarded by the New Brunswick College of Pharmacists to the student from New Brunswick who excels in the third year courses of the Pharmacy curriculum.

Eligibility: Available to students completing third year of the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

New Brunswick College of Pharmacists Bursaries

The New Brunswick College of Pharmacists offers four bursaries to be awarded to the students from New Brunswick completing the first, second, and third years of the Pharmacy class. The bursaries are awarded on the basis of need to those students whose academic achievement, promise, and character are acceptable.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of New Brunswick.

Application Type: Contact the Department, School, or College for more information

New Brunswick College of Pharmacists Centennial Medal

In conjunction with its 100th anniversary of incorporation, the College has established this commemorative medal to be presented annually to the New Brunswick student who has attained the highest aggregate mark during his/her four years at the College of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Nova Scotia Association of Certified Dispensers Prize

This prize of a book will be awarded annually to the top student in the first year Skills Laboratory. The prize was established in 1984 with the gift of funds to provide the initial award and to set up an endowment to provide subsequent awards.

Application Type: Automatic Consideration – No Application Required

The Nova Scotia College of Pharmacists Centennial Award

In conjunction with its 100th anniversary of incorporation, the Society has established an award. Candidates will have a satisfactory academic standing and show aptitude for the profession. The financial need of the student may be considered in selecting recipients for the award.

Application Type: Automatic Consideration – No Application Required

Nova Scotia College of Pharmacists Memorial Award

The Society has established an award in memory of past members and friends of the Society. The award is available to a qualifying student who possesses good academic standing and aptitude for the profession. The financial need of the student may be considered in selecting the recipient for the award.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

Pharmasave Bursaries

Three bursaries are offered annually to students who have completed one to three years, have satisfactory academic standing, have contributed to community service, and show financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The B. Trevoy Pugsley Memorial Pharmacy Award

This award was established by a bequest from the Estate of B. Trevoy Pugsley for an undergraduate student who has completed one or more years of the Pharmacy class. The criteria for the selection of the recipient are based on academic standing, aptitude for Pharmacy and qualities of character. Financial need may also be considered.

Application Type: Automatic Consideration – No Application Required

The Mrs. Vera B. Pugsley Award

This award was established by a bequest from the Vera B. Pugsley estate. This award will be presented annually to a student who successfully completed one or more years of the class leading to a degree in Pharmacy and who is enrolled in Pharmacy at the University for the ensuing year. Candidates must have attained a satisfactory academic standing and must show promise of making future contributions to the profession of Pharmacy.

Application Type: Automatic Consideration – No Application Required

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

John J. Ryan Pharmacy Administration Awards

These two awards are presented annually to the students who excel in PHAR 4060 (Advanced Patient Health Management) and PHAR 1060 (Pharmacy Law and Health Care Ethics). Financial need will also be considered. This award was made possible through income of the John J. Ryan Fund.

Application Type: Automatic Consideration – No Application Required

John J. Ryan Award of Excellence in Pharmacy Administration

This award is presented to a graduating student who has demonstrated outstanding aptitude in the development and application of medication management and has achieved the top overall mark in all the social/administrative pharmaceutical sciences content of the curriculum.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Sandoz Canada Bursary

This bursary is awarded to a student enrolled full-time in the College who demonstrates financial need.

Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.

Application Type: Contact the Department, School, or College for more information

Sandoz Pharmacy Administration Award

This award is presented to the student who excels in Medication Use Management, PHAR 2060.
Application Type: Automatic Consideration – No Application Required

Sanofi Aventis Scholarship

This scholarship is to be presented annually to an outstanding Pharmacy student who has successfully completed one or more years at the College of Pharmacy.
Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.
Application Type: Contact the Department, School, or College for more information

The Leigh Semple Memorial Award

An endowment has been established to provide an annual award to a third year Pharmacy student from Prince Edward Island who has demonstrated strong academic ability and involvement in student activities.
Application Type: Automatic Consideration – No Application Required

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Shoppers Drug Mart Community Pharmacy Bursaries

Shoppers Drug Mart will sponsor three bursaries to awardees selected by the College. The selection committee will consider candidates on the basis of financial need, student involvement, academic proficiency, and potential for contributing to the pharmacy profession. Successful applicants will have completed the first, second, or third year.
Eligibility: Available to current students in the Bachelor of Science - Pharmacy program.
Application Type: Contact the Department, School, or College for more information

Dr. Samar B. Singh Prize in Anatomy

An endowment fund has been established for the purpose of providing a prize to the highest standing student in first year Anatomy among Nursing and Pharmacy enrollees. The prize, consisting of a book or books to the approximate value of \$100, is a memorial to Dr. Singh, a long-time member of the Department of Anatomy. The awardee will be selected by the Head of the Department.
Application Type: Automatic Consideration – No Application Required
Value: \$100

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.
Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.
Application Type: General Online Bursary Application
Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.
Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory

academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Teva Canada Pharmacy Award

This award is given to the student who excels in the second year Pharmacokinetics class.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Pharmacy

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Whelan Family Award in Pharmacy

This award is presented to a student from New Brunswick, who has completed years 1, 2, or 3 and shows an aptitude for patient-centred care as demonstrated by

excelling in Pharmacy Skills Lab.
Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Recreation

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.
Application Type: Contact the International Centre for more information
Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raeffe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raeffe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. M. J. Ellis Award

This award was established to give recognition to a graduating student who demonstrates exceptional interest and ability in research in one of the four undergraduate degree programs.

Eligibility: Available to graduating undergraduate students in the School of Health and Human Performance.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Matthew Knox Award

This award was inaugurated in 2005 to recognize and honour the accomplishments of the individual whose name this award bears. Matthew Knox, a fourth year Bachelor of Science (Kinesiology) student was one of three Dalhousie students in 2005 to win one of the three Rhodes Scholarships awarded annually to Canada's Atlantic region for study at Oxford University. The Rhodes Scholarship, first established in 1902, is the oldest of the international study awards available to Canadian students. Of all the Dalhousie student to have won this award since its inception, Matthew Knox was the first ever recipient from the Faculty of Health Professions. The criteria for the Rhodes Scholarship, set down in the Will of the British philanthropist and colonial pioneer, are high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor. These basic characteristics are directed at fulfilling Cecil Rhodes' hopes that Rhodes Scholars would make an effective and positive contribution throughout the world. These criteria will be used as guidelines in the determination of appropriate prospective student recipients in the School of Health and Human Performance for the Matthew Knox Award on a perpetual basis.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and

grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leisure Research Congress Award

The Fifth Canadian Congress on Leisure Research set up an endowment to provide an annual award to a student who has graduated from the Bachelor of Science (Recreation) program. The recipient will have attained a cumulative GPA of 3.00 or higher and will have demonstrated an aptitude for research related to Recreation and Leisure.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with

preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. Hugh A. Noble Award

This award is given to a graduating student from one of the four undergraduate degree programs in the School of Health and Human Performance. The awarding is based on academic accomplishments, qualities of citizenship as shown by involvement outside the University, leadership qualities as demonstrated in activities inside the University, and an estimate of the candidate's potential for contributing to the profession.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

PHE (Physical and Health Education) Canada Student Award

This award recognizes undergraduate student leadership in the field of health, physical education, recreation, or dance.

Application Type: Automatic Consideration – No Application Required

Dr. John C. Pooley Sportsperson Award

This award is presented to the student who has contributed significantly to the development of a sport.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

VIIth Pan American Wheelchair Games Scholarship

This is an in-course award given to a student entering the third or fourth year of study in the School. The student must be committed to pursuing study in the area of recreation and leisure for the disabled. Selection is based on academic and professional capability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her

professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. J. Singleton Leadership Award

This award is given annually in recognition of a Dalhousie University student's involvement and commitment to Therapeutic Recreation professional organizations.
Application Type: Automatic Consideration – No Application Required

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.
Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.
Application Type: General Online Bursary Application
Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.
Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.
Eligibility: Available to Dalhousie and King's students taking part in an international placement.
Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.
Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Health and Human Performance

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Freda N. Wales Memorial Scholarship

This is an in-course award given to a student entering the third or fourth year of study. The student must have a commitment to pursuing a program specializing in Outdoor Leadership at Dalhousie University. Selection will be based on academic achievement and professional ability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Recreation Management

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.
Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.
Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.
Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.
Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.
Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.
Application Type: Contact the International Centre for more information
Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Vincent Chew Memorial Award

Vincent Chew graduated from Dalhousie University with a Bachelor of Commerce degree in 1997 and a Law degree in 2001. He was working as Communication and Marketing Manager with the International Council for Sport Science and Physical Education when he passed away in 2008 as a result of a road accident in Berlin, Germany. Prior to that, he was with the 15th Asian Games in Qatar, and the Commonwealth Games in Melbourne, Australia. An avid sports and music fan, he enjoyed his varied interests while traveling extensively. Considering his passion for sport, sport management, and business, the Vincent Chew Memorial Award has been established by his parents at Dalhousie that will recognize academic excellence in the joint Recreational Management degree program (Bachelor of Management/Bachelor of Science (Recreation)).

Eligibility: Available to current students in the Bachelor of Science Recreation/ Bachelor of Management program at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. M. J. Ellis Award

This award was established to give recognition to a graduating student who demonstrates exceptional interest and ability in research in one of the four undergraduate degree programs.

Eligibility: Available to graduating undergraduate students in the School of Health and Human Performance.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Matthew Knox Award

This award was inaugurated in 2005 to recognize and honour the accomplishments of the individual whose name this award bears. Matthew Knox, a fourth year Bachelor of Science (Kinesiology) student was one of three Dalhousie students in 2005 to win one of the three Rhodes Scholarships awarded annually to Canada's Atlantic region for study at Oxford University. The Rhodes Scholarship, first established in 1902, is the oldest of the international study awards available to Canadian students. Of all the Dalhousie student to have won this award since its inception, Matthew Knox was the first ever recipient from the Faculty of Health Professions. The criteria for the Rhodes Scholarship, set down in the Will of the British philanthropist and colonial pioneer, are high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor. These basic characteristics are directed at fulfilling Cecil Rhodes' hopes that Rhodes Scholars would make an effective and positive contribution throughout the world. These criteria will be used as guidelines in the determination of appropriate prospective student recipients in the School of Health and Human Performance for the Matthew Knox Award on a perpetual basis.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.
Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.
Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. Hugh A. Noble Award

This award is given to a graduating student from one of the four undergraduate degree programs in the School of Health and Human Performance. The awarding is based on academic accomplishments, qualities of citizenship as shown by involvement outside the University, leadership qualities as demonstrated in activities inside the University, and an estimate of the candidate's potential for contributing to the profession.

Application Type: Automatic Consideration – No Application Required

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

PHE (Physical and Health Education) Canada Student Award

This award recognizes undergraduate student leadership in the field of health, physical education, recreation, or dance.

Application Type: Automatic Consideration – No Application Required

Dr. John C. Pooley Sportsperson Award

This award is presented to the student who has contributed significantly to the development of a sport.

Application Type: Automatic Consideration – No Application Required

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

VIIth Pan American Wheelchair Games Scholarship

This is an in-course award given to a student entering the third or fourth year of study in the School. The student must be committed to pursuing study in the area of recreation and leisure for the disabled. Selection is based on academic and professional capability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Health and Human Performance

Awarded to the graduating student who demonstrates outstanding academic performance and who has completed the equivalent of three years of full-time studies of their degree at Dalhousie.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

The Freda N. Wales Memorial Scholarship

This is an in-course award given to a student entering the third or fourth year of study. The student must have a commitment to pursuing a program specializing in Outdoor Leadership at Dalhousie University. Selection will be based on academic achievement and professional ability.

Eligibility: Available to students entering third or fourth year in the School of Health and Human Performance. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Social Work

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Dalhousie University Women Alumnae Medal

This medal is presented annually to the BSW graduating student with the highest cumulative GPA in the baccalaureate program in the School of Social Work.

Application Type: Automatic Consideration – No Application Required

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Eric Dick Memorial Prize

The Eric Dick Memorial Prize in Social Work was established in 2008 by Mr. Dick's family to honour the memory of their father, Eric Dick who was one of the pioneers in the field of social work in the province of Nova Scotia. This prize is to be awarded to the student who has achieved the highest standing in the course 'Beginning Social Work Practice' (SLWK 2333) in the Bachelor of Social Work program for the academic year.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Eva Mary and Judge Hiram S. Farquhar Bursary

To provide an annual bursary(s) for one (or more) student(s) enrolled in the Bachelor or Master of Social Work Program at Dalhousie University who demonstrates financial need.

Eligibility: Available to current students in the Bachelor and Master of Social Work programs at Dalhousie, with preference given to a student born in or resident of Hants County, Nova Scotia. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: Contact the Department, School, or College for more information

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information
Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Janet Lee Myers Memorial Bursary

The bursary was established in 1998 by family, friends and colleagues of the late Janet Lee Myers BSW’88 to honour her 20 years of professional service in the community. The recipients of the Janet Lee Myers Memorial Bursary will have demonstrated financial need and the highest values of humanity, community, and service in the study of social work and in contributions to the School of Social Work.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Raoul Leger Memorial Humanitarian Award

This award was established to honour the memory of Raoul Leger, who received a Master’s degree in Social Work from Dalhousie University in 1977. His work at home and abroad exemplified his commitment to community development, peace, and social justice. This award is presented to a graduating BSW or MSW student who is nominated on the basis of achievement with a continued involvement in critical social issues.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

Lloyd MacInnis Memorial Bursary

The Lloyd Y. MacInnis Memorial Award Fund was established to provide an annual bursary to a qualifying student who is continuing his or her studies at the School in the baccalaureate program beyond first year.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Fred R. MacKinnon Award in Social Work

This award was established with donations made by colleagues and friends of Fred R. MacKinnon and from profits from the same of his book 'Reflections: 55 years of Public Service in Nova Scotia'. This fund will provide two awards annually.

Eligibility: The recipients will be enrolled in the course 'Perspectives on Social Welfare Policy' (SLWK 3012) and each recipient will have demonstrated good academic standing and a keen interest in social welfare policy. Recipients will be enrolled in the Bachelor of Social Work program (School of Social Work).

Application Type: Automatic Consideration – No Application Required

J. Bernard MacNeil Memorial Award

This award is to honor the memory of J. Bernard McNeil and to provide a Bachelor of Social Work student entering their second year of studies who achieves high academic standing and who best meets the criteria of financial need and shows promise of making future contributions to the profession of Social Work in the areas of Criminology or Corrections. Preference will be given to a student from Cape Breton, Nova Scotia.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie University.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Hanna G. Matheson Bursaries

These bursaries are available to students enrolled in the Bachelor of Social Work or Master of Social Work degree programs on the basis of need. The fund is administered by the Registrar's Office.

Eligibility: Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with

preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nova Scotia Association of Social Workers' Bursary

The NSASW provides an annual bursary to a BSW student who best meets the selection criteria of financial need, satisfactory academic progress, and demonstrates social work values in prior endeavours. The recipient is expected to contribute in some way to the NSASW while a student at the School.

Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

M. Caroline Prince Scholarship

An endowment of funds by the late M. Caroline Prince for the benefit of the School of Social Work provides for the award of one or more scholarships to students engaged either in full time or part time study leading to the baccalaureate degree in Social Work. The award is made at the end of the winter term upon recommendation of course instructors to the School's Bachelor of Social Work committee.

Eligibility: Available to current students in the Bachelor of Social Work program.

Application Type: Contact the Department, School, or College for more information

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Calvin Ruck Scholarship

This scholarship is for Bachelor of Social Work and Master of Social Work African Nova Scotian students who have demonstrated a desire to improve the social conditions and further the interests of African Nova Scotian/Canadian people and their communities through the study and practice of Social Work. Careful consideration will be given to the purposes and vision of NSAACP and to the qualities of courage, generosity, persistence, and leadership that characterizes Dr. Ruck's life and work.

Eligibility: Available to current Black students in the Bachelor and Master of Social Work programs. Applicants must be residents of Nova Scotia.

Application Type: Contact the Department, School, or College for more information

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements. Application Type: General Online Bursary Application Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community. Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa. Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad. Application Type: General Online Bursary Application Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements. Application Type: General Online Bursary Application Application Deadline: October 15

The School of Social Work BSW Alumni Scholarship

This alumni award has been established to support financial awards to be given to students in the Bachelor of Social Work degree program who demonstrate the highest values of humanity, community, and service in the study of Social Work as reflected in contributions to the learning environment of the School. A student must be nominated for this award. Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces. Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield. Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships. Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure. Eligibility: Available to Dalhousie and King's students taking part in an international placement. Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need. Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15 Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships. Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture). Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia. Application Type: General Online Bursary Application
Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal. Application Type: Automatic Consideration – No Application Required

Sonja R. Weil Memorial Bursary

Family and friends established this endowment in memory of Sonja Weil and in tribute to her work as a social worker and psychotherapist. This bursary is open to students in the Bachelor of Social Work and Master of Social Work programs, although first priority is given to graduate students who demonstrate financial need, satisfactory academic standing, and interest in those areas which most closely reflect Sonja Weil's work in child and family therapy. Eligibility: Available to current students in the Bachelor and Master of Social Work programs at Dalhousie, with preference given to graduate students. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: Contact the Department, School, or College for more information
Application Deadline: October 15

Jane Wisdom Memorial Bursary

When Jane Wisdom began her caring work in Halifax shortly before the Great Explosion of 1917, she was truly a pioneer in what has come to be known as Social Work. It is in recognition of her distinguished service that anonymous donors in 1977 established an endowment fund whereby one or more annual bursaries to one or more deserving students would be granted to students in the baccalaureate program of the School of Social Work at Dalhousie University. Eligibility: Available to current students in the Bachelor of Social Work program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence. Eligibility: Available to a current undergraduate female student. Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Management

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Management Awards

Acadian Lines Limited Scholarship

Acadian Lines Limited has established a fund to provide a scholarship to a student, beyond first year, who has demonstrated superior academic performance in the preceding year(s) of the commerce program and, who has demonstrated outstanding leadership in the University's program of intercollegiate athletics.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th

anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

The Wilfred Berman Memorial Prize

The Wilfred Berman Memorial Prize is payable from the income of a fund provided by former students of the late Professor Wilfred Berman to the student obtaining the highest mark in the course in first year Accounting.

Application Type: Automatic Consideration – No Application Required

The Wilfred Berman Scholarship

A scholarship is offered to the student in Commerce who, at the end of third year, has attained the highest average mark in COMM 1101, COMM 2102, and COMM 3105. The endowment for this scholarship was provided by friends and co-religionists of the late Professor Berman. Application is not required.

Application Type: Automatic Consideration – No Application Required

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.
Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.
Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.
Application Type: Contact the International Centre for more information
Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.
Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.
Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Commerce Alumni Association Awards

The Commerce Alumni Association sponsors seven annual non-monetary awards to recognize academic achievement. There is one award for each of Accounting, Finance, Entrepreneurship, Marketing Management, Marketing Logistics, International Business, and Managing People and Organizations.
Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

The Eaton Foundation Scholarship in Business Studies

A scholarship will be awarded annually to a student entering fourth year in the Commerce program who has the highest average mark in Introduction to Marketing, Consumer Behaviour, and Marketing Research, and who has demonstrated high academic standing throughout his or her previous years of study. The award was established by the Eaton Foundation, a philanthropic organization dedicated to supporting the arts, education, health, and social welfare across Canada with the generous support of the T. Eaton Co. Limited and Mr. John David Eaton.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Richard and Constance Glube Entrepreneurship Fellowship Fund

Established in 2005 to recognize Richard Glube's contributions to the School of Business. The annual fellowship is for a third or fourth year Bachelor of Commerce or Bachelor of Management student wishing to pursue entrepreneurship-related activities. The criteria for selection will include academic standing (GPA of 3.0 or greater), enrolment in the entrepreneurship curriculum (e.g. ESP program), and a written proposal on why the student intends to pursue an entrepreneurial path. The award will be administered through the Norman Newman Centre for Entrepreneurship.

Eligibility: Available to students entering third or fourth year of the Bachelor of Commerce or Bachelor of Management programs at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: Fall Semester

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional

contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Samuel S. Jacobson Scholarship

Beginning in 1975 the Samuel S. Jacobson Fund has provided one or more scholarships or bursaries.

Eligibility: Available to entering and current undergraduate students in the Bachelor of Commerce program from Nova Scotia.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The D. C. Mackay Award in Money Management

An endowment has been established by Dr. Douglas C. Mackay, a successful investment banker, valued alumnus, and active member of the Rowe School of Business Advisory Committee. A major prize is available to a student whose program concentration is Finance, whose career preparation is Money Management, who achieves excellent performance in COMM 3206, and who achieves satisfactory performance in research in the Money Management area.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Harry Margolian Scholarships in Commerce

A bequest of the late Harry Margolian of Yarmouth, Nova Scotia enables one or two scholarships per year to be awarded to students working towards degrees in Commerce. These will normally be awarded to students in their third or fourth years.

Eligibility: Available to current undergraduate students in the Bachelor of Commerce program from Nova Scotia.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

McCurdy Printing and Typesetting Limited Scholarship

The Halifax firm of McCurdy Printing and Typesetting Limited established an endowment in 1985 to provide annually for a scholarship in the Rowe School of Business. The scholarship is open to a student beyond first year who has distinguished himself or herself scholastically during the preceding year(s) of study in the Bachelor of Commerce program.

Eligibility: Available to a current undergraduate student in the Bachelor of Commerce program.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Christopher McKee Award of Merit

This award is established in memory of Christopher McKee, a Commerce graduate of 1981, through the generosity of his family. The recipient will have at least a B average, and will have made significant contribution to the university as an organizer, or participant in university or community activities.

Eligibility: Available to current students in the Bachelor of Commerce program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Norman Newman Family Business Award

This scholarship is offered as a tribute to Mr. Newman's record of leadership in business and the community. For students beyond first year in the Commerce program, Management program, or in the MBA program, a competition involving a case study of a family business is the basis of awarding of the scholarship, with a first and second place winner. Application required through the Centre for Family Business and Regional Prosperity.

Eligibility: Available to current students in the Bachelor of Commerce, Bachelor of Management, or Master of Business Administration programs at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Northstar Trade Finance - Thomas J. Bata International Exchange Bursaries

Up to eight bursaries are available to support students who have been accepted into an international exchange program and might otherwise not be able to participate in the exchange without external funding. These Bursaries were originally created by Mr. Scott Shepherd (MBA 1983), as the Northstar Trade Finance - Mary Grover LeBlanc Memorial Fellowship. It was renamed the Northstar Trade Finance - Thomas J. Bata Memorial Fellowship in 2010, in memory of Thomas Bata. (1914-2008).

Mr. Bata immigrated to Canada in 1939 from the former Czechoslovakia to form the Bata Shoe Company of Canada. Long before it was fashionable to do so, he provided opportunities for education and advancement to people of all races and creeds. He introduced his workforce to modern technology and previously unknown standards of quality and workmanship, and helped many of them establish businesses of their own.

Eligibility: Available to undergraduate students in the Faculty of Management accepted to an international exchange program.

Application Type: Contact the Department, School, or College for more information
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.
Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.
Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

John R. E. Parker Prize in Accounting

Established by Professors John and Joan Parker, who are passionate about the Accounting profession, this prize is awarded to a Commerce student for excellence in attaining the best overall mark in Intermediate Financial Accounting I and Cost Management.
Application Type: Automatic Consideration – No Application Required

Andrew Peacock Memorial Award

An annual award named in honour of Dr. Andrew Peacock, Professor in the Rowe School of Business. Students who are in good standing and are enrolled in the Bachelor of Management or Bachelor of Commerce degrees in the second or third year of study are eligible. Students must have demonstrated interest and understanding of the issues related to person with disabilities, have demonstrated volunteerism and experience or interest in working in the not-for-profit sector.
Application Type: Contact the Department, School, or College for more information
Application Deadline: Fall Semester

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Sagewood Group Award for Entrepreneurship

This is an annual award designed to encourage entrepreneurship among Bachelor of Commerce students who have completed at least two full years. Its intent is to fund a business start-up, and selection will be based on assessed viability of the proposed business and demonstrated commitment and ability of the student.

Eligibility: Available to students entering third year of the Bachelor of Commerce program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ronald G. Smith Scholarship

This scholarship was established in recognition of the distinguished service rendered by Ronald G. Smith. An amount of \$400 will be awarded to a Nova Scotia student entering the fourth year of the Bachelor of Commerce program based upon academic achievement, leadership ability, and qualities of personality and character.

Application Type: Contact the Department, School, or College for more information

Value: \$400

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Stewart Lockie Gibson Memorial Prize

The Rowe School of Business offers a prize to the graduating student in the general Bachelor of Commerce program who has achieved the highest standing.

Application Type: Automatic Consideration – No Application Required

Stewart Lockie Gibson Scholarship in Commerce

Several scholarships of varying amounts will be awarded annually to third and fourth year students of scholarship standing and good character who are proceeding to a degree in Commerce.

Eligibility: Available to current undergraduate students in the Bachelor of Commerce program.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Commerce

The Rowe School of Business offers a medal to the top graduate in the Bachelor of Commerce program. The awardee will be one who has fulfilled the high scholastic standard for this award.

Application Type: Automatic Consideration – No Application Required

University Medal in Management

The Faculty of Management offers a medal to the top graduate in the Bachelor of Management program. The awardee will be the one who has fulfilled the high scholastic standard for this award.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Commerce

Acadian Lines Limited Scholarship

Acadian Lines Limited has established a fund to provide a scholarship to a student, beyond first year, who has demonstrated superior academic performance in the preceding year(s) of the commerce program and, who has demonstrated outstanding leadership in the University's program of intercollegiate athletics.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

The Wilfred Berman Memorial Prize

The Wilfred Berman Memorial Prize is payable from the income of a fund provided by former students of the late Professor Wilfred Berman to the student obtaining the highest mark in the course in first year Accounting.

Application Type: Automatic Consideration – No Application Required

The Wilfred Berman Scholarship

A scholarship is offered to the student in Commerce who, at the end of third year, has attained the highest average mark in COMM 1101, COMM 2102, and COMM 3105. The endowment for this scholarship was provided by friends and co-religionists of the late Professor Berman. Application is not required.

Application Type: Automatic Consideration – No Application Required

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Commerce Alumni Association Awards

The Commerce Alumni Association sponsors seven annual non-monetary awards to recognize academic achievement. There is one award for each of Accounting, Finance, Entrepreneurship, Marketing Management, Marketing Logistics, International Business, and Managing People and Organizations.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

The Eaton Foundation Scholarship in Business Studies

A scholarship will be awarded annually to a student entering fourth year in the Commerce program who has the highest average mark in Introduction to Marketing, Consumer Behaviour, and Marketing Research, and who has demonstrated high academic standing throughout his or her previous years of study. The award was established by the Eaton Foundation, a philanthropic organization dedicated to supporting the arts, education, health, and social welfare across Canada with the generous support of the T. Eaton Co. Limited and Mr. John David Eaton.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Richard and Constance Glube Entrepreneurship Fellowship Fund

Established in 2005 to recognize Richard Glube's contributions to the School of Business. The annual fellowship is for a third or fourth year Bachelor of Commerce or Bachelor of Management student wishing to pursue entrepreneurship-related activities. The criteria for selection will include academic standing (GPA of 3.0 or greater), enrolment in the entrepreneurship curriculum (e.g. ESP program), and a written proposal on why the student intends to pursue an entrepreneurial path. The award will be administered through the Norman Newman Centre for Entrepreneurship.

Eligibility: Available to students entering third or fourth year of the Bachelor of Commerce or Bachelor of Management programs at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: Fall Semester

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Samuel S. Jacobson Scholarship

Beginning in 1975 the Samuel S. Jacobson Fund has provided one or more scholarships or bursaries.

Eligibility: Available to entering and current undergraduate students in the Bachelor of Commerce program from Nova Scotia.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The D. C. Mackay Award in Money Management

An endowment has been established by Dr. Douglas C. Mackay, a successful investment banker, valued alumnus, and active member of the Rowe School of Business

Advisory Committee. A major prize is available to a student whose program concentration is Finance, whose career preparation is Money Management, who achieves excellent performance in COMM 3206, and who achieves satisfactory performance in research in the Money Management area.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Harry Margolian Scholarships in Commerce

A bequest of the late Harry Margolian of Yarmouth, Nova Scotia enables one or two scholarships per year to be awarded to students working towards degrees in Commerce. These will normally be awarded to students in their third or fourth years.

Eligibility: Available to current undergraduate students in the Bachelor of Commerce program from Nova Scotia.

Application Type: Automatic Consideration – No Application Required

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

McCurdy Printing and Typesetting Limited Scholarship

The Halifax firm of McCurdy Printing and Typesetting Limited established an endowment in 1985 to provide annually for a scholarship in the Rowe School of Business. The scholarship is open to a student beyond first year who has distinguished himself or herself scholastically during the preceding year(s) of study in the Bachelor of Commerce program.

Eligibility: Available to a current undergraduate student in the Bachelor of Commerce program.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Christopher McKee Award of Merit

This award is established in memory of Christopher McKee, a Commerce graduate of 1981, through the generosity of his family. The recipient will have at least a B average, and will have made significant contribution to the university as an organizer, or participant in university or community activities.

Eligibility: Available to current students in the Bachelor of Commerce program at Dalhousie.
Application Type: Contact the Department, School, or College for more information

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information
Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.
Application Type: Contact the Department, School, or College for more information
Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Norman Newman Family Business Award

This scholarship is offered as a tribute to Mr. Newman's record of leadership in business and the community. For students beyond first year in the Commerce program, Management program, or in the MBA program, a competition involving a case study of a family business is the basis of awarding of the scholarship, with a first and second place winner. Application required through the Centre for Family Business and Regional Prosperity.

Eligibility: Available to current students in the Bachelor of Commerce, Bachelor of Management, or Master of Business Administration programs at Dalhousie.
Application Type: Contact the Department, School, or College for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application
Application Deadline: October 15

Northstar Trade Finance - Thomas J. Bata International Exchange Bursaries

Up to eight bursaries are available to support students who have been accepted into an international exchange program and might otherwise not be able to participate in the exchange without external funding. These Bursaries were originally created by Mr. Scott Shepherd (MBA 1983), as the Northstar Trade Finance - Mary Grover LeBlanc Memorial Fellowship. It was renamed the Northstar Trade Finance - Thomas J. Bata Memorial Fellowship in 2010, in memory of Thomas Bata. (1914-2008). Mr. Bata immigrated to Canada in 1939 from the former Czechoslovakia to form the Bata Shoe Company of Canada. Long before it was fashionable to do so, he provided opportunities for education and advancement to people of all races and creeds. He introduced his workforce to modern technology and previously unknown standards of quality and workmanship, and helped many of them establish businesses of their own.

Eligibility: Available to undergraduate students in the Faculty of Management accepted to an international exchange program.
Application Type: Contact the Department, School, or College for more information
Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.

Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

John R. E. Parker Prize in Accounting

Established by Professors John and Joan Parker, who are passionate about the Accounting profession, this prize is awarded to a Commerce student for excellence in attaining the best overall mark in Intermediate Financial Accounting I and Cost Management.

Application Type: Automatic Consideration – No Application Required

Andrew Peacock Memorial Award

An annual award named in honour of Dr. Andrew Peacock, Professor in the Rowe School of Business. Students who are in good standing and are enrolled in the Bachelor of Management or Bachelor of Commerce degrees in the second or third year of study are eligible. Students must have demonstrated interest and understanding of the issues related to person with disabilities, have demonstrated volunteerism and experience or interest in working in the not-for-profit sector.

Application Type: Contact the Department, School, or College for more information

Application Deadline: Fall Semester

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Sagewood Group Award for Entrepreneurship

This is an annual award designed to encourage entrepreneurship among Bachelor of Commerce students who have completed at least two full years. Its intent is to fund

a business start-up, and selection will be based on assessed viability of the proposed business and demonstrated commitment and ability of the student.

Eligibility: Available to students entering third year of the Bachelor of Commerce program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ronald G. Smith Scholarship

This scholarship was established in recognition of the distinguished service rendered by Ronald G. Smith. An amount of \$400 will be awarded to a Nova Scotia student entering the fourth year of the Bachelor of Commerce program based upon academic achievement, leadership ability, and qualities of personality and character.

Application Type: Contact the Department, School, or College for more information

Value: \$400

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Stewart Lockie Gibson Memorial Prize

The Rowe School of Business offers a prize to the graduating student in the general Bachelor of Commerce program who has achieved the highest standing.

Application Type: Automatic Consideration – No Application Required

Stewart Lockie Gibson Scholarship in Commerce

Several scholarships of varying amounts will be awarded annually to third and fourth year students of scholarship standing and good character who are proceeding to a degree in Commerce.

Eligibility: Available to current undergraduate students in the Bachelor of Commerce program.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Commerce

The Rowe School of Business offers a medal to the top graduate in the Bachelor of Commerce program. The awardee will be one who has fulfilled the high scholastic standard for this award.

Application Type: Automatic Consideration – No Application Required

University Medal in Management

The Faculty of Management offers a medal to the top graduate in the Bachelor of Management program. The awardee will be the one who has fulfilled the high scholastic standard for this award.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Management

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide

undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Richard and Constance Glube Entrepreneurship Fellowship Fund

Established in 2005 to recognize Richard Glube's contributions to the School of Business. The annual fellowship is for a third or fourth year Bachelor of Commerce or Bachelor of Management student wishing to pursue entrepreneurship-related activities. The criteria for selection will include academic standing (GPA of 3.0 or greater), enrolment in the entrepreneurship curriculum (e.g. ESP program), and a written proposal on why the student intends to pursue an entrepreneurial path. The award will be administered through the Norman Newman Centre for Entrepreneurship.

Eligibility: Available to students entering third or fourth year of the Bachelor of Commerce or Bachelor of Management programs at Dalhousie. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Application Deadline: Fall Semester

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the

Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Northstar Trade Finance - Thomas J. Bata International Exchange Bursaries

Up to eight bursaries are available to support students who have been accepted into an international exchange program and might otherwise not be able to participate in the exchange without external funding. These Bursaries were originally created by Mr. Scott Shepherd (MBA 1983), as the Northstar Trade Finance - Mary Grover LeBlanc Memorial Fellowship. It was renamed the Northstar Trade Finance - Thomas J. Bata Memorial Fellowship in 2010, in memory of Thomas Bata. (1914-2008). Mr. Bata immigrated to Canada in 1939 from the former Czechoslovakia to form the Bata Shoe Company of Canada. Long before it was fashionable to do so, he provided opportunities for education and advancement to people of all races and creeds. He introduced his workforce to modern technology and previously unknown standards of quality and workmanship, and helped many of them establish businesses of their own.

Eligibility: Available to undergraduate students in the Faculty of Management accepted to an international exchange program.

Application Type: Contact the Department, School, or College for more information

Value: \$2,000

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Commodore Bruce S. Oland Scholarship

An annual scholarship that alternates between the Department of English and the Faculty of Management.

Eligibility: Available to entering and current undergraduate students in the Faculty of Arts & Social Sciences of the Faculty of Management.

Application Type: Automatic Consideration – No Application Required

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic

standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

Andrew Peacock Memorial Award

An annual award named in honour of Dr. Andrew Peacock, Professor in the Rowe School of Business. Students who are in good standing and are enrolled in the Bachelor of Management or Bachelor of Commerce degrees in the second or third year of study are eligible. Students must have demonstrated interest and understanding of the issues related to person with disabilities, have demonstrated volunteerism and experience or interest in working in the not-for-profit sector.

Application Type: Contact the Department, School, or College for more information

Application Deadline: Fall Semester

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Faculty of Science

This Calendar is prepared some months before the year for which it is intended to provide guidance. The policies, procedures, and awards listed in this section are subject to continuing review and revision. Not all awards listed will be offered in any given year. Additionally, the number of awards offered, values of awards, and selection criteria may change without notice.

All Faculty of Science Awards

Alysia D. Abriel Memorial Bursary

Dr. Monique C. Grelot created this bursary to honor the memory of her granddaughter, Alysia Abriel, who always followed and never questioned her passions. The bursary is to assist a female student enrolled in the Honours Biology, Chemistry, or Biochemistry programs who has demonstrated financial need and a good academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Aldous Prize

On the occasion of the retirement of Dr. John G. Aldous, friends, colleagues, and students established an endowment to provide for an annual prize to be awarded for the best achievement in BIOL 4404 and BIOL 4407 combined.

Application Type: Automatic Consideration – No Application Required

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have

satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.
Application Type: Automatic Consideration – No Application Required

The Anonymous Economics Prize

This prize, consisting of a book(s) and a sum of money, is open to the Dalhousie undergraduate who is not in the final year of study and who has shown through an essay during the second year of study of Economics, the best promise of successfully applying Economics to the solution of human problems as determined by the selection committee.
Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Dr. William J. Archibald Prize in Physics

An annual prize will be awarded to a student who is considered by the Physics Department to be the most promising among those entering a second year Honours Physics program with first class standing.
Application Type: Automatic Consideration – No Application Required

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

B'nai B'rith Prize

Two prizes are available annually to students for the highest standing in Biology 1010 and Biology 1011, when offered.
Application Type: Automatic Consideration – No Application Required

The David Barlow Memorial Award

The family, friends, and classmates of David Barlow established in 1984 an endowment fund to provide an annual prize in his memory. The Dawson Geology Club, in consultation with the Departmental Chairman, will select a student in second year Earth Sciences who has demonstrated both a good academic record and leadership qualities.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hugh P. Bell Scholarship in Biology

In 1968, the Class of 1928 established the H. P. Bell Fund to provide one or more annual scholarships. Each year the Biology Department will select the most promising Honours Biology student, third year, that student shall hold the Hugh P. Bell Scholarship in the fourth year of the Honours program.

Eligibility: Available to students entering third year of the Bachelor of Science program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Bernoulli Prize

The Bernoulli Prize will be awarded annually to the student registered in the Co-op Mathematics Program who has the best cumulative academic record, subject to the restrictions that the prize can be awarded only once to a given individual, and that the winner must have performed acceptably in all work term assignments.

Application Type: Automatic Consideration – No Application Required

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

J. Ewart Blanchard Memorial Scholarship

This scholarship was established in memory of Dr. J. Ewart Blanchard, 1921 - 2003. Dr. Blanchard was an early Physics pioneer in Nova Scotia. He was the first geophysicist appointed to Dalhousie's Physics Department and received an Honorary Degree from Dalhousie in 2000. One or more scholarships will be awarded each fall to students enrolled in the degree programs of either the Department of Physics and Atmospheric Science or the Department of Earth Sciences who have achieved academic excellence and best exemplifies the qualities of initiative, experimental skill, leadership, and enthusiasm for Geophysics.

Application Type: Automatic Consideration – No Application Required

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Dr. Emil and Mrs. Stella Blum Prize in Mathematics

A fund was established by Dr. Ilya Blum in memory of his parents Emil and Stella Blum. The prize will be awarded to an Advanced Major or Honours Mathematics student who achieves the highest grade in second year Calculus.

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Marge Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Brimer Memorial Scholarship in Psychology

The Charles J. Brimer Memorial Fund was established during 1971 in memory of the late Dr. Brimer, Acting Chairman of the Department of Psychology. The income is awarded to a third year Honours student. Students enrolling for the Honours certificate in Psychology in the year equivalent to the fourth year of the Honours Psychology program are eligible for the prize. The Brimer Memorial Scholarship is restricted to Dalhousie Honours Psychology students and is not open to Joint Honours students from other departments or other universities. The scholarship will be given to the student who shows the greatest potential as a researcher in Experimental Psychology.

Application Type: Automatic Consideration – No Application Required

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide

undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Katherine M. Buttenshaw Prize

This prize will be awarded annually to the student standing highest in the advanced Mathematics courses.

Application Type: Automatic Consideration – No Application Required

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Canadian Institute of Mining and Metallurgy Earth Science Scholarship for New Brunswick Students

Awarded to a student entering second or subsequent year in an Earth Science discipline. Applicants must have been in New Brunswick or resided in New Brunswick for seven years, or have his/her immediate family reside in that province.

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Chemistry Silver Medal

The CSC Silver Medal is provided to each university with a Chemistry department and is awarded to the student with the highest standing in chemistry and allied subjects in the penultimate year. The successful student receives a medal and an inscribed certificate.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Exploration Geophysicists

This scholarship is available to a student applicant who is pursuing a course of studies directed toward a career in Exploration Geophysics in industry, teaching, or research.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Award

The Society sponsors an annual award consisting of a certificate and a one year student membership to an undergraduate student who has demonstrated outstanding competence in Petroleum Geology or closely related fields.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Student Industry Field Trip

The society sponsors a field trip to a third-year Earth Sciences student who has an interest in Petroleum Geology, Sedimentology and Stratigraphy. The award consists of travel expenses and most field expenses for a trip to the Sedimentary Basin and Rocky Mountains of Western Canada.

Eligibility: Available to students entering third year of the Bachelor of Science program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Ron Carr Award

The Department of Microbiology and Immunology offers a book award to a student who displays academic achievement, commitment to the betterment of colleagues, makes substantive contributions to the broader community, and is involved in extra-curricular activities in the Arts or Environment.

Application Type: Automatic Consideration – No Application Required

The John Carstairs-Arnell Prize

This endowment was established to provide an annual prize to the student who has submitted and defended the best Honours Research Project in Chemistry. Dr. Arnell received his BSc (High Honours) from Dalhousie in 1939 and held many senior positions with the Canadian Armed Forces and the Department of National Defence.

Application Type: Automatic Consideration – No Application Required

Allan Chaloner Hill Bursary

The Allan Chaloner Hill Bursary endowment was established by his daughter Alison Biedermann-Hill in her father's memory. A bursary is available to a second or third year Chemistry student.

Eligibility: Available to students entering second or third year of the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. Applicants must be majoring in Chemistry.

Application Type: General Online Bursary Application

Application Deadline: October 15

Chamber of Mineral Resources of Nova Scotia Scholarship

Senior students from Acadia University, Dalhousie University, St. Francis Xavier University, or Saint Mary's University in a Geology or mining-related Bachelor degree program are considered for this scholarship. Selection is based upon the student's contribution to the development of the province's mineral resources sector as well as scholastic achievement.

Eligibility: Available to current students in the Faculties of Engineering and Science at studying Geology or Mining-related studies.

Application Type: Contact the Department, School, or College for more information

Chemistry Achievement Award

This award is available to undergraduate students in the Chemistry program and is awarded on the basis of academic standing, demonstrated proficiency in Chemistry, and other criteria such as employment, community service, and extracurricular activities.

Application Type: Automatic Consideration – No Application Required

Walter J. Chute Prize in Chemistry

This endowment was established to provide an annual prize to a Chemistry student, with an outstanding record in Organic Chemistry, entering his or her final year in the Honours Chemistry program.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Cooke, Art and Dorothy

This scholarship was established in memory of Art and Dorothy Cooke by their daughters, Janet Jerico and Susan MrKich. Art and Dorothy both attended Dalhousie University in the 1930s, taking degrees in English. They then lived near Dalhousie most of their lives, their children attended Dalhousie and Dorothy became University Librarian. This scholarship will be awarded to a full-time student entering their fourth year in an Honours or Combined Honours in Environmental Science whose Honours thesis research proposal is judged to be of strong merit.

Application Type: Automatic Consideration – No Application Required

Lloyd and Margaret Cooley Memorial Undergraduate Summer Research Scholarship in Analytical Chemistry

This scholarship provides funding for a female undergraduate student engaged in a summer analytical chemistry research project.

Eligibility: Open to female undergraduate students in a Bachelor of Science program, with preference to students from the Maritime Provinces. Recipients must be completing a summer research project in analytical chemistry.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The CRC Freshman Achievement Award

Awarded on the basis of outstanding academic achievement in freshman Chemistry, the CRC Press Freshman Achievement Award is given at more than 2,000 schools. Winning students receive a complimentary copy of the CRC Handbook of Chemistry and Physics and a commemorative scroll to be mounted on the inside front cover.

Application Type: Automatic Consideration – No Application Required

Belle Crowe Scholarship

This scholarship was established in 1944 in accordance with a gift from the estate of Miss Belle Crowe, a student at Dalhousie University in 1885/86. This scholarship is awarded to a Major or Honours degree Chemistry student on the basis of academic standing and demonstrated proficiency in Chemistry and has been accepted into a graduate program to study Inorganic Chemistry.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Developmental Biology Prize

This prize is awarded annually to the top student, based on percentage grade mark, in Developmental Biology (BIOL 3050).

Application Type: Automatic Consideration – No Application Required

Value: \$500

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Peter Dolphin Memorial Prize in Biochemistry

In memory of Professor Peter Dolphin, this prize is awarded annually to the fourth year science student who is judged to have the best overall performance in the Honours Research Project (BIOC 4604 and BIOC 4605).

Application Type: Automatic Consideration – No Application Required

David Andrew Dougall Memorial Bursary

The intent of this award is to encourage and assist one or more students whose academic and financial status merit consideration.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a Biology major.

Application Type: Contact the Department, School, or College for more information

G. V. Douglas Memorial Prize in Earth Sciences

In 1958-59, friends and former students of the late Professor G. V. Douglas, established a memorial fund from which the interest would provide a prize to be awarded to an outstanding student in first year Earth Sciences.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ken Dunn Memorial Prize

The fund which was established in memory of Ken Dunn will provide an annual prize to a student who has completed the third year of an Honours program in Mathematics or Statistics, or a combined Honours program in Mathematics and Statistics.

Application Type: Automatic Consideration – No Application Required

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

David Durward Memorial Prize

This prize is to be awarded to the best student in the Physiology of Marine Animals (MARI 3074 and MARI 3076).

Application Type: Automatic Consideration – No Application Required

Econometrics Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Econometrics Prize will be awarded to the undergraduate Economics major with the highest combined average in the Econometrics I (ECON 3338) and Econometrics II (ECON 3339) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Economic Theory Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Economic Theory Prize will be awarded to the undergraduate Economics major with the highest combined average in the Intermediate Microeconomics (ECON 2200 or ECON 2220) and Intermediate Macroeconomics (ECON 2201) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Principles of Economics Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The prize will be awarded to the undergraduate Economics major with the highest combined average in the Principles of Microeconomics (ECON 1101) and Principles of Macroeconomics (ECON 1102) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Economics Honours Thesis Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Economics Honours Thesis Prize will be awarded to the undergraduate Economics honours student with the best honours thesis, as determined by the Selection Committee.

Application Type: Automatic Consideration – No Application Required

Economics International Student Essay Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The prize will be awarded to the undergraduate Economics 2+2

international student with the best essay written in their third year, as determined by the Selection Committee.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Environmental Science Thesis Prize

This prize is awarded annually to the student who is judged to have submitted and defended the best Honours Thesis.

Application Type: Automatic Consideration – No Application Required

Environmental Science Award

This award is given to an Environmental Science student in her/his third year of study who has shown academic promise in her/his environmental course work.

Application Type: Automatic Consideration – No Application Required

Environmental Science Honours Society Award

The Honours Society Award is awarded annually to students graduating with a BSc Honours/Major in Environmental Science or BSc Combined Honours or a Double Major in Environmental Science who have achieved a cumulative GPA of 3.50 or more.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Susan Paula Forward Memorial Prize in Psychology

Established in the memory of Susan Paula Forward who graduated in 1994 with a Bachelor of Science with Honours in Psychology. She achieved academic excellence during her time, being on the Dean's list for three consecutive years and receiving the University Medal in Psychology upon graduation. This prize is awarded to a graduating Psychology student who has achieved an excellent academic standing, with a strong background and demonstrated interest in pain research and child development.

Application Type: Automatic Consideration – No Application Required

The Hugh Graeme Fraser Memorial Prize in Advanced Chemistry

This award was founded by members of the Class of 1931 and is awarded annually to a student at the end of his/her third year, who has, in the opinion of the Department, shown such aptitude for Chemistry as to merit the award.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Geological Association of Canada Student Prize

Based on overall academic standing this prize is awarded annually to a student entering fourth year. The prize will consist of a one year free membership in the GAC and a GAC "Special Paper" volume to be chosen by the recipient.

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or

equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Alex Graham Memorial Prize

This award was established in memory of Alex Graham, a Marine Biology graduand, who died tragically in a rafting accident in 2003. It is awarded annually to a Marine Biology major/undergraduate who has shown outstanding participation, dedication, and contribution to the Marine Biology program and to the Dalhousie Association of Marine Biology Students (DAMS) society; and has satisfactory academic performance.

Application Type: Automatic Consideration – No Application Required

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. E. W. Guptill Memorial Prize

This is to be awarded to the undergraduate student who best exemplifies the qualities of Dr. E. W. Guptill in showing initiative, experimental skill, leadership, and enthusiasm for Physics, thereby making an outstanding contribution to physics in this University. This prize will not necessarily be awarded every year.

Application Type: Automatic Consideration – No Application Required

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The James L. Hall Scholarship in Earth Sciences

This scholarship is awarded on the joint recommendation of the Faculty of Engineering and the Department of Earth Sciences, to a student who has completed his/her first year, who is planning on a career in the field of Mining Geology. The scholarship alternates between Earth Sciences and Engineering.

Application Type: Automatic Consideration – No Application Required

Frances Hamilton Grant Bursaries

An endowed bursary fund was established under the will of the late Constance Patricia Hamilton in the amount of \$18,900, the income to be used to assist students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Kenneth and Dorothy Hayes Memorial Prize

This endowment provides an annual prize to the student who has demonstrated interest in physical chemistry. The prize is awarded at the end of the penultimate year in the honours chemistry program to that student who has achieved satisfactory academic standing in third or fourth year level courses in physical chemistry. Application not required.

Application Type: Automatic Consideration – No Application Required

Ron Hayes and Dixie Pelluet Bursary in Biochemistry and Molecular Biology

This bursary is to honour the memory of Ron Hayes and Dixie Pelluet by providing an annual bursary to a student enrolled in a BSc program in Biochemistry and Molecular Biology. Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie. The bursary recognizes both academic excellence and financial need.

Eligibility: Available to current students in the Bachelor of Science program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Owen Hertzman Prize

The Owen Hertzman Prize is granted annually to an Environmental Science student who is deemed to have contributed significantly to Environmental Science school life.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Gary Hicks Memorial Prize

This award was established to honour the late Dr. Gary Hicks, an accomplished botanist and excellent teacher. It is awarded annually to an Honours student in the Plant Sciences.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. W. K. Honig Prize in Psychology

A fund has been established to provide for one or more annual prizes to students who have achieved the highest performance in the introductory Psychology course(s) and who are undertaking a Major or Honours degree in Psychology or Neuroscience.

Application Type: Automatic Consideration – No Application Required

Honours Student Prize

The Department of Microbiology and Immunology offers a prize for outstanding academic achievement during the Honours Program.

Application Type: Automatic Consideration – No Application Required

Value: \$100

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The David and Ruth Hubel Undergraduate Neuroscience Prize

The Neuroscience Institute Prize was established in 1998 by donations from members of the Neuroscience Institute, Dalhousie University. Upon receiving a generous gift from Dr. David and Mrs. Ruth Hubel, the Neuroscience Institute changed the name of the prize in honour of the Hubels. The prize is awarded to a fourth year Neuroscience Honours student who shows outstanding potential as a researcher in Neuroscience.

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hypercube Scholar Award

Awarded to a graduating BSc student going on to graduate school where molecular modeling might be part of his/her future. Winning students receive a free copy of HyperChem software plus a small commemorative plaque.

Application Type: Automatic Consideration – No Application Required

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

Michael J. Keen Memorial Award

This award was established to encourage greater participation of women in science. It will be awarded to a female student entering the second year earth science program who shows an interest in and commitment to the pursuit of a career in science and whose performance is of honours calibre.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Osvald Knop Prize in Chemistry

This prize is awarded to the top student (or students, in the event of a tie) for the best achievement in both course and laboratory work in CHEM 2101.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King’s College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King’s College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Sarah M. Lawson Scholarships in Botany

At the discretion of the Honours/Undergraduate Awards Committee of the Department of Biology, the University may offer scholarships to students who have shown special ability in Botany. This award is open to students at Dalhousie University or the University of King's College, and is given to support summer or fall (for Co-op students) research projects in botany at either the undergraduate or graduate level.

Eligibility: Available to undergraduate and graduate biology students from Dalhousie or King's with an interest in studying Botany.

Application Type: Contact the Department, School, or College for more information

The Ralph and Frances Lewis Jeffery Scholarship

From the Estate of Frances E. Jeffery came a bequest in 1979 to endow a scholarship which is to be awarded to a student who has completed the final year of an Honours degree in Mathematics, and who has maintained at least a second-class standing during the first three years of the class.

Application Type: Automatic Consideration – No Application Required

The Dr. Ming Fang Li Memorial Prize in Marine Biology

An endowment has been established to fund an annual prize to a third year student in the Co-operative Education program in Marine Biology. The recipient will be the one who is deemed to be the best, assessed on academic standing and work term performance.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

MacEachern-Ponsford Memorial Award

Family, friends, and classmates of Ian Joseph MacEachern and Mark Anthony Peter Ponsford have established a memorial fund. The purpose of the endowment is to provide an annual award to a student who has completed the second year of a program majoring in Earth Sciences, whose academic performance is of an honours calibre and who has been an active participant in student activities. The award is to be made on the recommendation of the Chairman of the Earth Sciences Department after consultation with the Dawson Geology Club and departmental staff.

Application Type: Automatic Consideration – No Application Required

The Constance MacFarlane Scholarship

An endowment fund has been established to provide a scholarship to a deserving student in the second or subsequent year of the Honours program in either Biology or Marine Biology. Candidates must have completed at least one course in each of Ecology and Botany.

Application Type: Automatic Consideration – No Application Required

The James Gordon MacGregor Memorial Prizes

Relatives of the late Dr. J. G. MacGregor contributed to the James Gordon MacGregor Memorial Fund which now provides awards to undergraduates in the study of Physics.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. A. Stanley MacKenzie Prizes in Physics

These prizes will be awarded by the Department of Physics and Atmospheric Science to the most promising students in the first two years of the Physics program. The fund was established under the will of the late Miss Mary Alice Smith.

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Kilmer MacMillan Memorial Book Prize

This prize is awarded annually to the student who attains the highest aggregate mark for the three half-courses, BIOC 3700, 3300 and 3400.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mathematics and Statistics Bursary Fund

An annual bursary to be awarded to a student enrolled in the second, third or fourth year of an undergraduate program, leading to a degree in Mathematics or Statistics at Dalhousie University.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Professor W. Russell Maxwell Memorial Scholarship

Friends and colleagues of Professor Maxwell have established a fund to provide scholarships to outstanding students entering the second, third or fourth year of the General Degree or Honours Degree program in Economics. Preference will be given to candidates entering the fourth year of the Honours program.

Application Type: Automatic Consideration – No Application Required

Professor W. Russell Maxwell Memorial Bursaries

Any residual income remaining in the Fund after the annual scholarships have been determined may, after consultation with the Department of Economics, be used to fund one or more bursaries for deserving students entering the fourth year of the Honours program in Economics. Awarded by the Department of Economics and the Registrar's Office.

Application Type: Automatic Consideration – No Application Required

The Ellen McCaughin McFarlane Prize

A Fund has been established in memory of Ellen McCaughin McFarlane, Class of 1927. Initially, the Fund is to provide an annual prize to an Honours Mathematics student who at the end of his/her first year in the Honours program has achieved the highest standing.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Burgess McKittrick Summer Research Studentships in Physics

The Department of Physics and Atmospheric Science offers up to two 3 - 4 month studentships for first year students intending to go into an Honours Physics program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Burgess McKittrick Prizes in Physics

The funds for these prizes come from the estate of F. J. A. McKittrick who graduated in 1894 with Honours in Mathematics and Mathematical Physics. He was the first Dalhousie graduate to receive the 1851 Exhibition Scholarship. The prizes are in memory of his brother, Burgess McKittrick, who graduated in 1877. A prize will be awarded to undergraduate students achieving the highest standing in each of Physics 1280/1290, 1300 and the core second year Physics courses. No student may receive more than one such prize in any one year. A prize will be awarded to the female Honours students whom achieves first class standing in each of second, third and fourth year levels.

Application Type: Automatic Consideration – No Application Required

The Diploma in Meteorology Prize

This prize is awarded to the student with the highest GPA in the program.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mineralogical Association of Canada Student Prize

This prize is open to an undergraduate student who has completed at least second year and has demonstrated excellence in one of Mineralogy, Crystallography, Geochemistry, Petrology, and Mineral Deposits. The recipient will receive his/her choice of one of the MAC special publications.

Application Type: Automatic Consideration – No Application Required

Darrell Montgomery Memorial Prize

An endowment has been set up to provide an annual prize to a third year student in the Physics 3000/3010 experimental laboratory who is deemed to have shown a love of experimentation, the qualities of leadership and participation in student activities in physics related areas.

Application Type: Automatic Consideration – No Application Required

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information
Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. J. G. Ogden Memorial Prize

This prize will be awarded annually to a top fourth year honour student whose research falls within the realm of Freshwater Ecology, with preference given to those who study Freshwater Plant Ecology. The recipient will be determined during the Cameron conference poster and oral presentations. In the event that there is more than one student whose research project meets these criterion, overall GPA will be the deciding factor.

Application Type: Automatic Consideration – No Application Required

Dr. Catherine Olding Hebb Memorial Bursary

This bursary was established in memory of Catherine Olding Hebb. The recipient must be a resident of one of the Atlantic provinces, must be studying in the Department of Biology, Bachelor of Science program and demonstrate financial need.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Cecelia Rajaratnam Memorial Prize in Plant Cell Biology

The purpose of this prize is to recognize and reward a student who demonstrates a passion for the subject of Plant Cell Biology (Biology 4220) and excels academically in the course.

Application Type: Automatic Consideration – No Application Required

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Douglas Russell Memorial Book Prize

In memory of Dr. Douglas Russell, the Department of Biochemistry and Molecular Biology has established a prize to be awarded to the student with the highest standing in Biochemistry 2300, a course which owes its existence in large part to his efforts.

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Masayoshi Senba Memorial Prizes

One prize will be awarded to an undergraduate student attending courses typically taught by Masayoshi Senba, who, in the opinion of the faculty, possess outstanding skills, interest, promise, and determination in Theoretical Physics. The other prize will be awarded to a student in Physics (Major or Honours) in their third or fourth academic year who, compared to the previous academic year, exhibits the greatest improvement in his/her studies.

Application Type: Automatic Consideration – No Application Required

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the

Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

The Society of Chemical Industry, Canadian Section, Merit Award

This award (an engraved plaque) may be made to the Honours graduate in Biochemistry with the highest standing in the final year. A minimum average of 75% is required.

Application Type: Automatic Consideration – No Application Required

The Society of Chemical Industry, Canadian Section, Merit Award

This award (an engraved gold key and subscription to Chemistry and Industry) may be made to the Honours graduate in Chemistry with the highest standing in the final year. A minimum average of 75% is required. Application not required.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Spirit of Chemistry Prize

The undergraduate Student Society Spirit of Chemistry Prize is meant to benefit students who are majoring in Chemistry, and who help promote the subject through their enthusiastic participation in their studies and Chemistry related activities. To be eligible to receive this prize, students must be majoring in Chemistry, have a minimum of 2.30 GPA, and must be nominated by a professor or instructor.

Application Type: Automatic Consideration – No Application Required

The C. W. Stairs Memorial Scholarships

In 1960, William Stairs, Son & Morrow Limited of Halifax, on the occasion of the 150th anniversary of the firm donated \$10,000 to the University to set up this fund. It provides scholarships to students in Engineering, or in related subjects, who are entering the third year of the class and who, in the opinion of the Committee, are likely

after graduation to contribute to the industrial development of Canada.
Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances L. Stewart Memorial Prize in Psychology

A fund has been established to provide a prize to a fourth year Honours student who shows outstanding potential as a scientist practitioner in Clinical Psychology.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

John E. Tasman Memorial Bursary in Chemistry

Established in memory of John E. Tasman who graduated from Chemistry in 1942, this bursary is available to full-time students enrolled in the Faculty of Science and majoring in Chemistry.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. Walter Todd Scholarship

A bequest from the Estate of Mabel E. Todd in 1958 established a fund to provide a scholarship (and inscribed volume) in memory of her brother, E. Walter Todd, who was for many years a member of the Department.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology offers a medal to the top First Class Honours graduate in the Biochemistry program. The awardee will be the one who has attained the high scholastic standard of the Department.

Application Type: Automatic Consideration – No Application Required

University Medal in Biology

The Department of Biology offers a medal to the top First Class Honours graduate in the Biology program in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Chemistry

The Department of Chemistry offers a medal to the top First Class Honours graduate in recognition of superior achievement in Chemistry.

Application Type: Automatic Consideration – No Application Required

University Medal in Computer Science

A medal is awarded to the top First Class Honours graduate in both Bachelor of Computer Science and Bachelor Science in recognition of superior achievement in Computer Science.

Application Type: Automatic Consideration – No Application Required

University Medal in Earth Sciences

The Department of Earth Sciences offers to the top First Class Honours graduate a medal in recognition of superior achievement.

Application Type: Automatic Consideration – No Application Required

University Medal in Economics

The Department of Economics offers a medal to the top First Class Honours graduate in recognition of superior achievement in Economics.

Application Type: Automatic Consideration – No Application Required

University Medal in Environmental Science

Environmental Science offers to the top First Class Honours graduate a medal in recognition of superior achievement in Environmental Science.

Application Type: Automatic Consideration – No Application Required

University Medal in Marine Biology

The Department established this medal in 1983-84 to be awarded, where appropriate, to the student who stands highest among the First Class Honours graduates in the Marine Biology program.

Application Type: Automatic Consideration – No Application Required

University Medal in Microbiology and Immunology

The Department of Microbiology and Immunology offers to the top First Class Honours graduate a medal in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Medal in Neuroscience

The Department of Psychology and Neuroscience offers a medal to the top graduating student with First Class Honours in the program.

Application Type: Automatic Consideration – No Application Required

The University Medal in Physics

The Department of Physics and Atmospheric Science offers to the top First Class Honours graduate a medal in recognition of superior achievement in the Physics class.

Application Type: Automatic Consideration – No Application Required

University Medal in Psychology

The Department of Psychology and Neuroscience offers a medal to the top graduating student with First Class Honours in the program.

Application Type: Automatic Consideration – No Application Required

University Medal in Statistics

The Department established this medal to be awarded to the student who stands highest among the First Class Honours graduates in the Statistics program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Barry Ward Fawcett Memorial Prize

Established by friends and colleagues of the late Dr. Barry Ward Fawcett who was an associate professor of Computing Science from 1982 until his untimely death at age 50 in 1991. This prize is awarded annually to a student who has completed between 30 and 60 credit hours, registered in a Mathematics or Statistics program, and has achieved the highest grade in MATH/CSCI 2113 (Discrete Structures II).

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial. Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

The Waverly Prize

This prize will be awarded annually to the student with the highest standing in Mathematics 1010.

Application Type: Automatic Consideration – No Application Required

Dr. Lilyan E. White Prize

A bequest from the Estate of Dr. Lilyan E. White established an endowment to fund a prize to an undergraduate student in Psychology and in Neuroscience. The Department assigns prizes for use in recognizing the best performance of a student in second year in each program.

Application Type: Automatic Consideration – No Application Required

Norbert Wolter Memorial Scholarship

This scholarship was established by Jennie Wolter (BSc 1978) in loving memory of her husband, Norbert, who died at a young age. The scholarship is awarded to an undergraduate student enrolled in Chemistry within the Faculty of Science at Dalhousie University and will be awarded to a Canadian citizen with first preference given to someone from Nova Scotia. The recipient must have achieved and maintain a GPA of 3.90.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Shao Hua & Wen Hsiang Yoh Prizes

Two prizes in memory of Shao Hua and Wen Hsiang Yoh, renowned Chinese educators, are awarded annually to two second year students who placed first and second in the core Biology courses (Biology 2020, 2030, 2040 and one of 2060, 2003, or 2004).

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Sir William Young Gold Medal

Founded by the bequest of the late Sir William Young, this medal will be awarded on graduation to the student who stands first among those taking First Class Honours in Mathematics, this is the University Medal in Mathematics.

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Biochemistry and Molecular Biology

Alysia D. Abriel Memorial Bursary

Dr. Monique C. Grelot created this bursary to honor the memory of her granddaughter, Alysia Abriel, who always followed and never questioned her passions. The bursary is to assist a female student enrolled in the Honours Biology, Chemistry, or Biochemistry programs who has demonstrated financial need and a good academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have

satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.
Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.
Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.
Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.
Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in

any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Peter Dolphin Memorial Prize in Biochemistry

In memory of Professor Peter Dolphin, this prize is awarded annually to the fourth year science student who is judged to have the best overall performance in the Honours Research Project (BIOC 4604 and BIOC 4605).

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefer Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefer Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among

graduates of baccalaureate programs.
Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ron Hayes and Dixie Pelluet Bursary in Biochemistry and Molecular Biology

This bursary is to honour the memory of Ron Hayes and Dixie Pelluet by providing an annual bursary to a student enrolled in a BSc program in Biochemistry and Molecular Biology. Eligible recipients will have completed at least one year of study in their undergraduate program at Dalhousie. The bursary recognizes both academic excellence and financial need.

Eligibility: Available to current students in the Bachelor of Science program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application
Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Kilmer MacMillan Memorial Book Prize

This prize is awarded annually to the student who attains the highest aggregate mark for the three half-courses, BIOC 3700, 3300 and 3400.

Application Type: Automatic Consideration – No Application Required

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in

order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application
Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Douglas Russell Memorial Book Prize

In memory of Dr. Douglas Russell, the Department of Biochemistry and Molecular Biology has established a prize to be awarded to the student with the highest standing in Biochemistry 2300, a course which owes its existence in large part to his efforts.

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

The Society of Chemical Industry, Canadian Section, Merit Award

This award (an engraved plaque) may be made to the Honours graduate in Biochemistry with the highest standing in the final year. A minimum average of 75% is required.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology offers a medal to the top First Class Honours graduate in the Biochemistry program. The awardee will be the one who has attained the high scholastic standard of the Department.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Biology

Alysia D. Abriel Memorial Bursary

Dr. Monique C. Grelot created this bursary to honor the memory of her granddaughter, Alysia Abriel, who always followed and never questioned her passions. The bursary is to assist a female student enrolled in the Honours Biology, Chemistry, or Biochemistry programs who has demonstrated financial need and a good academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Aldous Prize

On the occasion of the retirement of Dr. John G. Aldous, friends, colleagues, and students established an endowment to provide for an annual prize to be awarded for the best achievement in BIOL 4404 and BIOL 4407 combined.

Application Type: Automatic Consideration – No Application Required

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available

through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

B'nai B'rith Prize

Two prizes are available annually to students for the highest standing in Biology 1010 and Biology 1011, when offered.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hugh P. Bell Scholarship in Biology

In 1968, the Class of 1928 established the H. P. Bell Fund to provide one or more annual scholarships. Each year the Biology Department will select the most promising Honours Biology student, third year, that student shall hold the Hugh P. Bell Scholarship in the fourth year of the Honours program.

Eligibility: Available to students entering third year of the Bachelor of Science program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbridge Scholarships

In her Will the late Minnie F. Burbridge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and

death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Developmental Biology Prize

This prize is awarded annually to the top student, based on percentage grade mark, in Developmental Biology (BIOL 3050).

Application Type: Automatic Consideration – No Application Required

Value: \$500

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

David Andrew Dougall Memorial Bursary

The intent of this award is to encourage and assist one or more students whose academic and financial status merit consideration.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a Biology major.

Application Type: Contact the Department, School, or College for more information

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

David Durward Memorial Prize

This prize is to be awarded to the best student in the Physiology of Marine Animals (MARI 3074 and MARI 3076).

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Alex Graham Memorial Prize

This award was established in memory of Alex Graham, a Marine Biology graduand, who died tragically in a rafting accident in 2003. It is awarded annually to a Marine Biology major/undergraduate who has shown outstanding participation, dedication, and contribution to the Marine Biology program and to the Dalhousie Association of Marine Biology Students (DAMS) society; and has satisfactory academic performance.

Application Type: Automatic Consideration – No Application Required

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Gary Hicks Memorial Prize

This award was established to honour the late Dr. Gary Hicks, an accomplished botanist and excellent teacher. It is awarded annually to an Honours student in the Plant Sciences.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Honours Student Prize

The Department of Microbiology and Immunology offers a prize for outstanding academic achievement during the Honours Program.

Application Type: Automatic Consideration – No Application Required

Value: \$100

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Sarah M. Lawson Scholarships in Botany

At the discretion of the Honours/Undergraduate Awards Committee of the Department of Biology, the University may offer scholarships to students who have shown special ability in Botany. This award is open to students at Dalhousie University or the University of King's College, and is given to support summer or fall (for Co-op students) research projects in botany at either the undergraduate or graduate level.

Eligibility: Available to undergraduate and graduate biology students from Dalhousie or King's with an interest in studying Botany.

Application Type: Contact the Department, School, or College for more information

The Dr. Ming Fang Li Memorial Prize in Marine Biology

An endowment has been established to fund an annual prize to a third year student in the Co-operative Education program in Marine Biology. The recipient will be the one who is deemed to be the best, assessed on academic standing and work term performance.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The Constance MacFarlane Scholarship

An endowment fund has been established to provide a scholarship to a deserving student in the second or subsequent year of the Honours program in either Biology or Marine Biology. Candidates must have completed at least one course in each of Ecology and Botany.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare

Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. J. G. Ogden Memorial Prize

This prize will be awarded annually to a top fourth year honour student whose research falls within the realm of Freshwater Ecology, with preference given to those who study Freshwater Plant Ecology. The recipient will be determined during the Cameron conference poster and oral presentations. In the event that there is more than one student whose research project meets these criterion, overall GPA will be the deciding factor.

Application Type: Automatic Consideration – No Application Required

Dr. Catherine Olding Hebb Memorial Bursary

This bursary was established in memory of Catherine Olding Hebb. The recipient must be a resident of one of the Atlantic provinces, must be studying in the Department of Biology, Bachelor of Science program and demonstrate financial need.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College

of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Cecelia Rajaratnam Memorial Prize in Plant Cell Biology

The purpose of this prize is to recognize and reward a student who demonstrates a passion for the subject of Plant Cell Biology (Biology 4220) and excels academically in the course.

Application Type: Automatic Consideration – No Application Required

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the

Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Biology

The Department of Biology offers a medal to the top First Class Honours graduate in the Biology program in recognition of superior achievement.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.
Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information
Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Shao Hua & Wen Hsiang Yoh Prizes

Two prizes in memory of Shao Hua and Wen Hsiang Yoh, renowned Chinese educators, are awarded annually to two second year students who placed first and second in the core Biology courses (Biology 2020, 2030, 2040 and one of 2060, 2003, or 2004).
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Chemistry

Alysia D. Abriel Memorial Bursary

Dr. Monique C. Grelot created this bursary to honor the memory of her granddaughter, Alysia Abriel, who always followed and never questioned her passions. The bursary is to assist a female student enrolled in the Honours Biology, Chemistry, or Biochemistry programs who has demonstrated financial need and a good academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Marge Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application
Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

The Canadian Society for Chemistry Silver Medal

The CSC Silver Medal is provided to each university with a Chemistry department and is awarded to the student with the highest standing in chemistry and allied subjects in the penultimate year. The successful student receives a medal and an inscribed certificate.

Application Type: Automatic Consideration – No Application Required

The John Carstairs-Arnell Prize

This endowment was established to provide an annual prize to the student who has submitted and defended the best Honours Research Project in Chemistry. Dr. Arnell received his BSc (High Honours) from Dalhousie in 1939 and held many senior positions with the Canadian Armed Forces and the Department of National Defence.

Application Type: Automatic Consideration – No Application Required

Allan Chaloner Hill Bursary

The Allan Chaloner Hill Bursary endowment was established by his daughter Alison Biedermann-Hill in her father's memory. A bursary is available to a second or third year Chemistry student.

Eligibility: Available to students entering second or third year of the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing. Applicants must be majoring in Chemistry.

Application Type: General Online Bursary Application

Application Deadline: October 15

Chemistry Achievement Award

This award is available to undergraduate students in the Chemistry program and is awarded on the basis of academic standing, demonstrated proficiency in Chemistry, and other criteria such as employment, community service, and extracurricular activities.

Application Type: Automatic Consideration – No Application Required

Walter J. Chute Prize in Chemistry

This endowment was established to provide an annual prize to a Chemistry student, with an outstanding record in Organic Chemistry, entering his or her final year in the Honours Chemistry program.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Margaret Cooley Memorial Undergraduate Summer Research Scholarship in Analytical Chemistry

This scholarship provides funding for a female undergraduate student engaged in a summer analytical chemistry research project.

Eligibility: Open to female undergraduate students in a Bachelor of Science program, with preference to students from the Maritime Provinces. Recipients must be completing a summer research project in analytical chemistry.

Application Type: Contact the Department, School, or College for more information

Value: \$1,000

The CRC Freshman Achievement Award

Awarded on the basis of outstanding academic achievement in freshman Chemistry, the CRC Press Freshman Achievement Award is given at more than 2,000 schools. Winning students receive a complimentary copy of the CRC Handbook of Chemistry and Physics and a commemorative scroll to be mounted on the inside front cover.

Application Type: Automatic Consideration – No Application Required

Belle Crowe Scholarship

This scholarship was established in 1944 in accordance with a gift from the estate of Miss Belle Crowe, a student at Dalhousie University in 1885/86. This scholarship is awarded to a Major or Honours degree Chemistry student on the basis of academic standing and demonstrated proficiency in Chemistry and has been accepted into a graduate program to study Inorganic Chemistry.

Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and

death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Hugh Graeme Fraser Memorial Prize in Advanced Chemistry

This award was founded by members of the Class of 1931 and is awarded annually to a student at the end of his/her third year, who has, in the opinion of the Department, shown such aptitude for Chemistry as to merit the award.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Kenneth and Dorothy Hayes Memorial Prize

This endowment provides an annual prize to the student who has demonstrated interest in physical chemistry. The prize is awarded at the end of the penultimate year in the honours chemistry program to that student who has achieved satisfactory academic standing in third or fourth year level courses in physical chemistry. Application not required.

Application Type: Automatic Consideration – No Application Required

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hypercube Scholar Award

Awarded to a graduating BSc student going on to graduate school where molecular modeling might be part of his/her future. Winning students receive a free copy of HyperChem software plus a small commemorative plaque.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Oswald Knop Prize in Chemistry

This prize is awarded to the top student (or students, in the event of a tie) for the best achievement in both course and laboratory work in CHEM 2101.

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.
Application Type: General Online Bursary Application
Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.
Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.
Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

The Society of Chemical Industry, Canadian Section, Merit Award

This award (an engraved gold key and subscription to Chemistry and Industry) may be made to the Honours graduate in Chemistry with the highest standing in the final year. A minimum average of 75% is required. Application not required.

Application Type: Automatic Consideration – No Application Required

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Spirit of Chemistry Prize

The undergraduate Student Society Spirit of Chemistry Prize is meant to benefit students who are majoring in Chemistry, and who help promote the subject through their enthusiastic participation in their studies and Chemistry related activities. To be eligible to receive this prize, students must be majoring in Chemistry, have a minimum of 2.30 GPA, and must be nominated by a professor or instructor.

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

John E. Tasman Memorial Bursary in Chemistry

Established in memory of John E. Tasman who graduated from Chemistry in 1942, this bursary is available to full-time students enrolled in the Faculty of Science and majoring in Chemistry.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. Walter Todd Scholarship

A bequest from the Estate of Mabel E. Todd in 1958 established a fund to provide a scholarship (and inscribed volume) in memory of her brother, E. Walter Todd, who was for many years a member of the Department.

Application Type: Automatic Consideration – No Application Required

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Chemistry

The Department of Chemistry offers a medal to the top First Class Honours graduate in recognition of superior achievement in Chemistry.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Norbert Wolter Memorial Scholarship

This scholarship was established by Jennie Wolter (BSc 1978) in loving memory of her husband, Norbert, who died at a young age. The scholarship is awarded to an undergraduate student enrolled in Chemistry within the Faculty of Science at Dalhousie University and will be awarded to a Canadian citizen with first preference given to someone from Nova Scotia. The recipient must have achieved and maintain a GPA of 3.90.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Earth Sciences

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The David Barlow Memorial Award

The family, friends, and classmates of David Barlow established in 1984 an endowment fund to provide an annual prize in his memory. The Dawson Geology Club, in consultation with the Departmental Chairman, will select a student in second year Earth Sciences who has demonstrated both a good academic record and leadership qualities.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the

best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

J. Ewart Blanchard Memorial Scholarship

This scholarship was established in memory of Dr. J. Ewart Blanchard, 1921 - 2003. Dr. Blanchard was an early Physics pioneer in Nova Scotia. He was the first geophysicist appointed to Dalhousie's Physics Department and received an Honorary Degree from Dalhousie in 2000. One or more scholarships will be awarded each fall to students enrolled in the degree programs of either the Department of Physics and Atmospheric Science or the Department of Earth Sciences who have achieved academic excellence and best exemplifies the qualities of initiative, experimental skill, leadership, and enthusiasm for Geophysics.

Application Type: Automatic Consideration – No Application Required

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Canadian Institute of Mining and Metallurgy Earth Science Scholarship for New Brunswick Students

Awarded to a student entering second or subsequent year in an Earth Science discipline. Applicants must have been in New Brunswick or resided in New Brunswick for seven years, or have his/her immediate family reside in that province.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Exploration Geophysicists

This scholarship is available to a student applicant who is pursuing a course of studies directed toward a career in Exploration Geophysics in industry, teaching, or research.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Award

The Society sponsors an annual award consisting of a certificate and a one year student membership to an undergraduate student who has demonstrated outstanding competence in Petroleum Geology or closely related fields.

Application Type: Automatic Consideration – No Application Required

Canadian Society of Petroleum Geologists Student Industry Field Trip

The society sponsors a field trip to a third-year Earth Sciences student who has an interest in Petroleum Geology, Sedimentology and Stratigraphy. The award consists of travel expenses and most field expenses for a trip to the Sedimentary Basin and Rocky Mountains of Western Canada.

Eligibility: Available to students entering third year of the Bachelor of Science program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

Chamber of Mineral Resources of Nova Scotia Scholarship

Senior students from Acadia University, Dalhousie University, St. Francis Xavier University, or Saint Mary's University in a Geology or mining-related Bachelor degree program are considered for this scholarship. Selection is based upon the student's contribution to the development of the province's mineral resources sector as well as scholastic achievement.

Eligibility: Available to current students in the Faculties of Engineering and Science at studying Geology or Mining-related studies.
Application Type: Contact the Department, School, or College for more information

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have

satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

G. V. Douglas Memorial Prize in Earth Sciences

In 1958-59, friends and former students of the late Professor G. V. Douglas, established a memorial fund from which the interest would provide a prize to be awarded to an outstanding student in first year Earth Sciences.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.
Eligibility: Available to any Dalhousie student.
Application Type: Contact the Department, School, or College for more information
Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.
Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Geological Association of Canada Student Prize

Based on overall academic standing this prize is awarded annually to a student entering fourth year. The prize will consist of a one year free membership in the GAC and a GAC "Special Paper" volume to be chosen by the recipient.
Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.
Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.
Application Type: Contact the Department, School, or College for more information
Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.
Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.
Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

The James L. Hall Scholarship in Earth Sciences

This scholarship is awarded on the joint recommendation of the Faculty of Engineering and the Department of Earth Sciences, to a student who has completed his/her first year, who is planning on a career in the field of Mining Geology. The scholarship alternates between Earth Sciences and Engineering.

Application Type: Automatic Consideration – No Application Required

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application
Application Deadline: October 15

Michael J. Keen Memorial Award

This award was established to encourage greater participation of women in science. It will be awarded to a female student entering the second year earth science program who shows an interest in and commitment to the pursuit of a career in science and whose performance is of honours calibre.

Application Type: Automatic Consideration – No Application Required

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

MacEachern-Ponsford Memorial Award

Family, friends, and classmates of Ian Joseph MacEachern and Mark Anthony Peter Ponsford have established a memorial fund. The purpose of the endowment is to provide an annual award to a student who has completed the second year of a program majoring in Earth Sciences, whose academic performance is of an honours calibre and who has been an active participant in student activities. The award is to be made on the recommendation of the Chairman of the Earth Sciences Department after consultation with the Dawson Geology Club and departmental staff.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship

and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.
Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.
Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.
Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.
Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.
Application Type: General Entrance Award Application
Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.
Eligibility: Available to entering and current undergraduate students.
Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.
Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).
Application Type: General Online Bursary Application
Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military

District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mineralogical Association of Canada Student Prize

This prize is open to an undergraduate student who has completed at least second year and has demonstrated excellence in one of Mineralogy, Crystallography, Geochemistry, Petrology, and Mineral Deposits. The recipient will receive his/her choice of one of the MAC special publications.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational

opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The C. W. Stairs Memorial Scholarships

In 1960, William Stairs, Son & Morrow Limited of Halifax, on the occasion of the 150th anniversary of the firm donated \$10,000 to the University to set up this fund. It provides scholarships to students in Engineering, or in related subjects, who are entering the third year of the class and who, in the opinion of the Committee, are likely after graduation to contribute to the industrial development of Canada.

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.
Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.
Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Earth Sciences

The Department of Earth Sciences offers to the top First Class Honours graduate a medal in recognition of superior achievement.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.
Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information
Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Economics

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.
Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.
Application Type: Automatic Consideration – No Application Required

The Anonymous Economics Prize

This prize, consisting of a book(s) and a sum of money, is open to the Dalhousie undergraduate who is not in the final year of study and who has shown through an essay during the second year of study of Economics, the best promise of successfully applying Economics to the solution of human problems as determined by the selection committee.
Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.
Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Aramark Leadership Award Application
Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.
Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.
Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic

standing, and be residents of rural Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.
Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Econometrics Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Econometrics Prize will be awarded to the undergraduate Economics major with the highest combined average in the Econometrics I (ECON 3338) and Econometrics II (ECON 3339) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Economic Theory Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Economic Theory Prize will be awarded to the undergraduate Economics major with the highest combined average in the Intermediate Microeconomics (ECON 2200 or ECON 2220) and Intermediate Macroeconomics (ECON 2201) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Principles of Economics Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The prize will be awarded to the undergraduate Economics major with the highest combined average in the Principles of Microeconomics (ECON 1101) and Principles of Macroeconomics (ECON 1102) sequence of courses.

Application Type: Automatic Consideration – No Application Required

Economics Honours Thesis Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The Economics Honours Thesis Prize will be awarded to the undergraduate Economics honours student with the best honours thesis, as determined by the Selection Committee.

Application Type: Automatic Consideration – No Application Required

Economics International Student Essay Prize

The purpose of this prize is to provide an annual prize for an undergraduate Economics major. The prize will be awarded to the undergraduate Economics 2+2 international student with the best essay written in their third year, as determined by the Selection Committee.

Application Type: Automatic Consideration – No Application Required

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from

Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King’s College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

Mackean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

Professor W. Russell Maxwell Memorial Scholarship

Friends and colleagues of Professor Maxwell have established a fund to provide scholarships to outstanding students entering the second, third or fourth year of the General Degree or Honours Degree program in Economics. Preference will be given to candidates entering the fourth year of the Honours program.

Application Type: Automatic Consideration – No Application Required

Professor W. Russell Maxwell Memorial Bursaries

Any residual income remaining in the Fund after the annual scholarships have been determined may, after consultation with the Department of Economics, be used to fund one or more bursaries for deserving students entering the fourth year of the Honours program in Economics. Awarded by the Department of Economics and the Registrar's Office.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and

have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15
Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.
Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimmer Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

University Medal in Economics

The Department of Economics offers a medal to the top First Class Honours graduate in recognition of superior achievement in Economics.
Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.
Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information
Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.
Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.
Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Environmental Science

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.
Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Cooke, Art and Dorothy

This scholarship was established in memory of Art and Dorothy Cooke by their daughters, Janet Jerico and Susan MrKich. Art and Dorothy both attended Dalhousie University in the 1930s, taking degrees in English. They then lived near Dalhousie most of their lives, their children attended Dalhousie and Dorothy became University Librarian. This scholarship will be awarded to a full-time student entering their fourth year in an Honours or Combined Honours in Environmental Science whose

Honours thesis research proposal is judged to be of strong merit.
Application Type: Automatic Consideration – No Application Required

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Environmental Science Award

This award is given to an Environmental Science student in her/his third year of study who has shown academic promise in her/his environmental course work.

Application Type: Automatic Consideration – No Application Required

Environmental Science Thesis Prize

This prize is awarded annually to the student who is judged to have submitted and defended the best Honours Thesis.

Application Type: Automatic Consideration – No Application Required

Environmental Science Honours Society Award

The Honours Society Award is awarded annually to students graduating with a BSc Honours/Major in Environmental Science or BSc Combined Honours or a Double Major in Environmental Science who have achieved a cumulative GPA of 3.50 or more.

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Owen Hertzman Prize

The Owen Hertzman Prize is granted annually to an Environmental Science student who is deemed to have contributed significantly to Environmental Science school life.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information
Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required

by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Environmental Science

Environmental Science offers to the top First Class Honours graduate a medal in recognition of superior achievement in Environmental Science.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Marine Biology

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)
Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social

Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Marine Biology

The Department established this medal in 1983-84 to be awarded, where appropriate, to the student who stands highest among the First Class Honours graduates in the Marine Biology program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mathematics

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Bernoulli Prize

The Bernoulli Prize will be awarded annually to the student registered in the Co-op Mathematics Program who has the best cumulative academic record, subject to the restrictions that the prize can be awarded only once to a given individual, and that the winner must have performed acceptably in all work term assignments.

Application Type: Automatic Consideration – No Application Required

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. Emil and Mrs. Stella Blum Prize in Mathematics

A fund was established by Dr. Ilya Blum in memory of his parents Emil and Stella Blum. The prize will be awarded to an Advanced Major or Honours Mathematics student who achieves the highest grade in second year Calculus.

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Katherine M. Buttenshaw Prize

This prize will be awarded annually to the student standing highest in the advanced Mathematics courses.

Application Type: Automatic Consideration – No Application Required

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ken Dunn Memorial Prize

The fund which was established in memory of Ken Dunn will provide an annual prize to a student who has completed the third year of an Honours program in Mathematics or Statistics, or a combined Honours program in Mathematics and Statistics.

Application Type: Automatic Consideration – No Application Required

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King’s College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers Howe Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ralph and Frances Lewis Jeffery Scholarship

From the Estate of Frances E. Jeffery came a bequest in 1979 to endow a scholarship which is to be awarded to a student who has completed the final year of an Honours degree in Mathematics, and who has maintained at least a second-class standing during the first three years of the class.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students’ Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mathematics and Statistics Bursary Fund

An annual bursary to be awarded to a student enrolled in the second, third or fourth year of an undergraduate program, leading to a degree in Mathematics or Statistics at Dalhousie University.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Ellen McCaughin McFarlane Prize

A Fund has been established in memory of Ellen McCaughin McFarlane, Class of 1927. Initially, the Fund is to provide an annual prize to an Honours Mathematics student who at the end of his/her first year in the Honours program has achieved the highest standing.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See

award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Barry Ward Fawcett Memorial Prize

Established by friends and colleagues of the late Dr. Barry Ward Fawcett who was an associate professor of Computing Science from 1982 until his untimely death at age 50 in 1991. This prize is awarded annually to a student who has completed between 30 and 60 credit hours, registered in a Mathematics or Statistics program, and has achieved the highest grade in MATH/CSCI 2113 (Discrete Structures II).

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

The Waverly Prize

This prize will be awarded annually to the student with the highest standing in Mathematics 1010.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Medical Sciences

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and

satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King’s College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King’s College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women’s Division of the

Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.
Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.
Eligibility: Available to part-time undergraduate students.
Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.
Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.
Application Type: Automatic Consideration – No Application Required
Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.
Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.
Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).
Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.
Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.
Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Microbiology and Immunology

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Ron Carr Award

The Department of Microbiology and Immunology offers a book award to a student who displays academic achievement, commitment to the betterment of colleagues, makes substantive contributions to the broader community, and is involved in extra-curricular activities in the Arts or Environment.

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.
Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying “good human conduct”. The research submitted will seek to define the meaning of “good human conduct” with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is

distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after

one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Microbiology and Immunology

The Department of Microbiology and Immunology offers to the top First Class Honours graduate a medal in recognition of superior achievement in the program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have

received the Governor General's Silver Medal.
Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial. Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information
Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.
Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Neuroscience

Dr. W. K. Honig Prize in Psychology

A fund has been established to provide for one or more annual prizes to students who have achieved the highest performance in the introductory Psychology course(s) and who are undertaking a Major or Honours degree in Psychology or Neuroscience.

Application Type: Automatic Consideration – No Application Required

The David and Ruth Hubel Undergraduate Neuroscience Prize

The Neuroscience Institute Prize was established in 1998 by donations from members of the Neuroscience Institute, Dalhousie University. Upon receiving a generous gift from Dr. David and Mrs. Ruth Hubel, the Neuroscience Institute changed the name of the prize in honour of the Hubels. The prize is awarded to a fourth year Neuroscience Honours student who shows outstanding potential as a researcher in Neuroscience.

Application Type: Automatic Consideration – No Application Required

University Medal in Neuroscience

The Department of Psychology and Neuroscience offers a medal to the top graduating student with First Class Honours in the program.

Application Type: Automatic Consideration – No Application Required

Dr. Lilyan E. White Prize

A bequest from the Estate of Dr. Lilyan E. White established an endowment to fund a prize to an undergraduate student in Psychology and in Neuroscience. The Department assigns prizes for use in recognizing the best performance of a student in second year in each program.

Application Type: Automatic Consideration – No Application Required

Ocean Sciences

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare

Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of

a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slaight Family Foundation Scholarship for African Students

The Slaight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC

Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Physics and Atmospheric Science

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences,

Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. William J. Archibald Prize in Physics

An annual prize will be awarded to a student who is considered by the Physics Department to be the most promising among those entering a second year Honours

Physics program with first class standing.

Application Type: Automatic Consideration – No Application Required

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship.

The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life.

Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

J. Ewart Blanchard Memorial Scholarship

This scholarship was established in memory of Dr. J. Ewart Blanchard, 1921 - 2003. Dr. Blanchard was an early Physics pioneer in Nova Scotia. He was the first geophysicist appointed to Dalhousie's Physics Department and received an Honorary Degree from Dalhousie in 2000. One or more scholarships will be awarded each fall to students enrolled in the degree programs of either the Department of Physics and Atmospheric Science or the Department of Earth Sciences who have achieved academic excellence and best exemplifies the qualities of initiative, experimental skill, leadership, and enthusiasm for Geophysics.

Application Type: Automatic Consideration – No Application Required

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline. Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements. Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. Application Type: General Online Bursary Application Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia. Application Type: General Online Bursary Application Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good. Eligibility: Available to entering students from Bridgewater Jr./Sr. High School. Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing. Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie. Application Type: General Online Bursary Application Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story. Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems. Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science. Eligibility: Available to entering and current undergraduate students in the Faculty of Science. Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program. Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary. .

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Dr. E. W. Guptill Memorial Prize

This is to be awarded to the undergraduate student who best exemplifies the qualities of Dr. E. W. Guptill in showing initiative, experimental skill, leadership, and enthusiasm for Physics, thereby making an outstanding contribution to physics in this University. This prize will not necessarily be awarded every year.

Application Type: Automatic Consideration – No Application Required

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Percy Bertram Jollota Scholarship

From the Estate of Jean Minerva Jollota came a bequest, the annual income of which is to be used to provide scholarships in memory of her late husband, Percy Bertram Jollota. The awardees must be engaged in studies in Engineering or Physics. Application not required.

Application Type: Automatic Consideration – No Application Required

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the

residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The James Gordon MacGregor Memorial Prizes

Relatives of the late Dr. J. G. MacGregor contributed to the James Gordon MacGregor Memorial Fund which now provides awards to undergraduates in the study of Physics.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Dr. A. Stanley MacKenzie Prizes in Physics

These prizes will be awarded by the Department of Physics and Atmospheric Science to the most promising students in the first two years of the Physics program. The fund was established under the will of the late Miss Mary Alice Smith.

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health

Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Burgess McKittrick Summer Research Studentships in Physics

The Department of Physics and Atmospheric Science offers up to two 3 - 4 month studentships for first year students intending to go into an Honours Physics program at Dalhousie.

Application Type: Contact the Department, School, or College for more information

The Burgess McKittrick Prizes in Physics

The funds for these prizes come from the estate of F. J. A. McKittrick who graduated in 1894 with Honours in Mathematics and Mathematical Physics. He was the first Dalhousie graduate to receive the 1851 Exhibition Scholarship. The prizes are in memory of his brother, Burgess McKittrick, who graduated in 1877. A prize will be awarded to undergraduate students achieving the highest standing in each of Physics 1280/1290, 1300 and the core second year Physics courses. No student may receive more than one such prize in any one year. A prize will be awarded to the female Honours students whom achieves first class standing in each of second, third and fourth year levels.

Application Type: Automatic Consideration – No Application Required

The Diploma in Meteorology Prize

This prize is awarded to the student with the highest GPA in the program.

Application Type: Automatic Consideration – No Application Required

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Darrell Montgomery Memorial Prize

An endowment has been set up to provide an annual prize to a third year student in the Physics 3000/3010 experimental laboratory who is deemed to have shown a love of experimentation, the qualities of leadership and participation in student activities in physics related areas.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is

deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The

bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Masayoshi Senba Memorial Prizes

One prize will be awarded to an undergraduate student attending courses typically taught by Masayoshi Senba, who, in the opinion of the faculty, possess outstanding skills, interest, promise, and determination in Theoretical Physics. The other prize will be awarded to a student in Physics (Major or Honours) in their third or fourth academic year who, compared to the previous academic year, exhibits the greatest improvement in his/her studies.

Application Type: Automatic Consideration – No Application Required

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The University Medal in Physics

The Department of Physics and Atmospheric Science offers to the top First Class Honours graduate a medal in recognition of superior achievement in the Physics class.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Psychology

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Brimer Memorial Scholarship in Psychology

The Charles J. Brimer Memorial Fund was established during 1971 in memory of the late Dr. Brimer, Acting Chairman of the Department of Psychology. The income is awarded to a third year Honours student. Students enrolling for the Honours certificate in Psychology in the year equivalent to the fourth year of the Honours

Psychology program are eligible for the prize. The Brimer Memorial Scholarship is restricted to Dalhousie Honours Psychology students and is not open to Joint Honours students from other departments or other universities. The scholarship will be given to the student who shows the greatest potential as a researcher in Experimental Psychology.

Application Type: Automatic Consideration – No Application Required

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during "The Great Depression". Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary

information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support. Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Honourable W. H. Dennis Memorial Prizes for Literary Compositions in English

Two prizes known as the Joseph Howe Prizes are offered each year. First prize \$250, second prize \$150, for a poem or collection of poems of any length greater than one hundred lines. Two prizes known as the James DeMille Prizes are offered each year, one of \$250 for an essay, the other of \$250 for a prose short story.

Eligibility: Available to any full-time undergraduate or graduate Dalhousie student who submits the best essay, short story, or collection of poems.

Application Type: Contact the Department, School, or College for more information

The L. A. DeWolfe Memorial Scholarship

A fund has been established under the Will of the late Dr. L. A. DeWolfe to provide undergraduate scholarships in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry,

Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Susan Paula Forward Memorial Prize in Psychology

Established in the memory of Susan Paula Forward who graduated in 1994 with a Bachelor of Science with Honours in Psychology. She achieved academic excellence during her time, being on the Dean's list for three consecutive years and receiving the University Medal in Psychology upon graduation. This prize is awarded to a graduating Psychology student who has achieved an excellent academic standing, with a strong background and demonstrated interest in pain research and child development.

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Irving and Jeanne Glovin Award

The Oskar Schindler Humanities Foundation established this award in 2003 to support research into the meaning and principles underlying "good human conduct". The research submitted will seek to define the meaning of "good human conduct" with which all persons could agree, to explore its sources, and develop pragmatic educational strategies and ways of teaching children, to show by action, respect and acceptance of others of any circumstances and/or background. The Irving and Jeanne Glovin Award will enable collaborative research by students, in the final year of undergraduate study or graduate study, in any major discipline or interdisciplinary program, together with a professor or mentor. The recipient will be preferably one who has a broad education and interdisciplinary interests appropriate to the research topic chosen. A copy of the research essay, accompanied by a letter of recommendation from the faculty member, must be submitted by April 15th each year to the Dean of Faculty of Arts and Social Sciences. The recipient will be asked to present the research essay.

Eligibility: Available to a student in the final year of any undergraduate program or any year of a graduate program.

Application Type: Contact the Department, School, or College for more information

Application Deadline: April 15

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application
Application Deadline: October 15

Dr. W. K. Honig Prize in Psychology

A fund has been established to provide for one or more annual prizes to students who have achieved the highest performance in the introductory Psychology course(s) and who are undertaking a Major or Honours degree in Psychology or Neuroscience.

Application Type: Automatic Consideration – No Application Required

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application
Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supporters of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it “If you can’t do something for someone, you are a no one.”

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application
Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men’s Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application
Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King’s College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information
Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria.

Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Malcom Mosher Memorial Scholarship

Under the will of Marial Laura Morse Mosher, this scholarship fund was established in the memory of her father to award scholarships to students studying in the areas of Social Sciences, Business, and Economics.

Eligibility: Available to undergraduate students in the Faculty of Arts & Social Sciences, the Faculty of Management, and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after

one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis.

The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.
Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).
Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.
Application Type: General Online Bursary Application
Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.
Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Slaughter Family Foundation Scholarship for African Students

The Slaughter Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slaughter Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic standing, and demonstrate involvement in their community.
Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.
Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.
Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.
Application Type: General Online Bursary Application
Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.
Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.
Eligibility: Available to current undergraduate students in the Faculty of Science.
Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.
Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.
Application Type: Contact the Department, School, or College for more information
Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where

she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frances L. Stewart Memorial Prize in Psychology

A fund has been established to provide a prize to a fourth year Honours student who shows outstanding potential as a scientist practitioner in Clinical Psychology.

Application Type: Automatic Consideration – No Application Required

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Psychology

The Department of Psychology and Neuroscience offers a medal to the top graduating student with First Class Honours in the program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Dr. Lilyan E. White Prize

A bequest from the Estate of Dr. Lilyan E. White established an endowment to fund a prize to an undergraduate student in Psychology and in Neuroscience. The Department assigns prizes for use in recognizing the best performance of a student in second year in each program.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Statistics

John David and Ellen Matheson Allen Endowment Fund

The bursaries to be known as John David and Ellen Matheson Allen bursaries are in memory of John David Allen and his wife, Ellen Margaret Allen, both graduates of the Department of Education of the University. In the selection of the recipients of the bursaries, priority is to be given to First Nations, but where no such persons apply, the bursaries are to be given to other applicants as determined by the appropriate office of the University.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Undergraduate Award in Analytical Chemistry

The Division of Analytical Chemistry of the American Chemical Society offers a number of gift subscriptions to Analytical Chemistry. These awards are intended to recognize students who have shown an aptitude for a career in Analytical Chemistry.

Application Type: Automatic Consideration – No Application Required

Aramark Leadership Award

This award provides scholarships for returning undergraduate students at Dalhousie registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Diploma of Dental Hygiene who show leadership in the community. Eligible students must have been full-time Dalhousie students during the previous academic year, be currently registered as a full-time undergraduate student, be in good academic standing, and demonstrate involvement and dedication to the Dalhousie community through leadership, citizenship and/or sportsmanship. Applications are available through DalOnline - Student Awards and Financial Aid section.

Eligibility: Available to current Dalhousie undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Aramark Leadership Award Application

Value: \$4,000

Helen Archibald Memorial Bursary

To provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia, with preference given to students from Richmond County.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and

be a resident of Cape Breton.
Application Type: General Online Bursary Application
Application Deadline: October 15

The Eva and David Ashkins Memorial Bursary

The donors established this fund for the purpose of assisting pupils who have matriculated from selected high schools to enter Dalhousie. These high schools are (first) North Queen's Rural High School or Bridgewater High School, and (secondly) other high schools in the province of Nova Scotia. The recipient may be considered in subsequent years for further assistance.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Nathan T. Ashkins Scholarship

Each year, the Nathan T. Ashkins fund provides for a scholarship to a student in Arts and Science who is beyond first year.

Eligibility: Available to current undergraduate students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Helen Mary and Earl Atkins Memorial Bursary

A trust from the estate of Helen Mary and Earl Atkins to provide bursaries for those who might otherwise be unable to attend university.

Eligibility: Available to first and second year undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of rural Nova Scotia.

Application Type: General Online Bursary Application
Application Deadline: October 15

Avery Prize

This prize, bequeathed by J. F. Avery, MD, will be awarded on graduation to the student standing highest among graduates of the general degree program. The recipient cannot have received the Governor General's Silver Medal or University Silver Medal. For the aforementioned medals and prize, a student who is completing a second Dalhousie degree will have only those courses required for a second degree used when calculating their cumulative average. In addition, any disciplinary action by the Senate Discipline Committee shall be deemed sufficient cause for any student to be ineligible. For more information on deadlines and application procedures, please visit www.dal.ca/scholarships.

Application Type: Automatic Consideration – No Application Required

The John Hamilton Barrett Prize

This is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to a student who has shown exceptional ability in Chemistry or other science.

Application Type: Automatic Consideration – No Application Required

Donnell and Betty Beaton Bursary

This bursary is to provide one or more bursaries for undergraduate students from Cape Breton, Nova Scotia.

Eligibility: Available to full-time students entering first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Cape Breton, with preference given to graduates of Baddeck Rural High School.

Application Type: General Online Bursary Application
Application Deadline: October 15

The Avie Bennett Prize

This prize is one of six established by Mr. Avie Bennett, Chairman and President of McClelland and Stewart to mark the company's 90th anniversary and the 40th anniversary of the New Canadian Library, of which the founding general editor was Dalhousie Professor Emeritus Dr. Malcolm M. Ross. It is awarded each year for the best essay on Canadian literature submitted from an undergraduate course at Dalhousie during the current academic year. Essays may have been written for courses in any department, but they should focus explicitly on a Canadian literary topic and not on history or culture more generally, and they must be written in English. Essays should be nominated by instructors; clean copies should be submitted by the specified date.

Eligibility: Available to any undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$500 and a complete set of the New Canadian Library

Bernoulli Prize

The Bernoulli Prize will be awarded annually to the student registered in the Co-op Mathematics Program who has the best cumulative academic record, subject to the restrictions that the prize can be awarded only once to a given individual, and that the winner must have performed acceptably in all work term assignments.

Application Type: Automatic Consideration – No Application Required

Harry and Kaye Bernstein Bursary

A bursary to an undergraduate student born and living in Halifax from a low income family, who shows financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application
Application Deadline: October 15

Beta Sigma Phi Scholarship to Dalhousie University

The Halifax-Dartmouth City Council of Beta Sigma Phi sorority has established an endowment of \$2,000 whereby the annual income will provide for a scholarship. The successful candidate will be selected from the following categories, listed preferentially: first, an active Member; secondly, a daughter, son or spouse of an active Member; and thirdly, some other student chosen by the Registrar's Office. Applications are available from sorority members.

Eligibility: Available to students entering any program at Dalhousie University, with preference to an active member of the sorority or the child or spouse of an active sorority member.

Application Type: See dal.ca/scholarships for more information

Application Deadline: July 31

Black and Gold Awards

Each year the Dalhousie Black and Gold Club funds a number of awards that recognize outstanding student athletes and the contribution they make to university life. Returning students must have been a full time student for at least two semesters in an academic year at Dalhousie with a minimum GPA of 2.00 in three full year courses (18 credit hours) or the equivalent. Entering candidates must have an average of 80% or higher. Participation on a varsity team is a requirement. Applicants should apply through the head coach of their respective varsity teams. Eligibility is verified by the Registrar's Office.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

The Jotham Blanchard Scholarship

The New Glasgow Literary and Historical Society in 1912 established this scholarship in memory of Jotham Blanchard. The scholarship will be awarded to a student of meritorious standing who is in the second year of an undergraduate program.

Eligibility: Available to a second year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Boyd Bursary

The income from the George Boyd Trust will provide a bursary to a student who demonstrates financial need.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to applicants from the Sydney area, Cape Breton.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Marje Brady Bursary

Margie Wahtras Brady is a member of a family of WWII refugees from Estonia who immigrated to Canada in 1950, via Sweden. This bursary is to provide bursaries to undergraduate Science students enrolled at Dalhousie University who demonstrate financial need and satisfactory academic standing.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Jeff Bredin Memorial Scholarship in Men's Volleyball

This scholarship was established in memory of Jeff Bredin who graduated from Dalhousie in May, 1985 with a Bachelor of Physical Education. While at Dalhousie, Jeff was a member of the varsity volleyball team for two years and was the recipient of numerous awards for his contribution to the University's volleyball team. One or more scholarships will be awarded to entering or continuing student athletes on the Dalhousie men's volleyball team who demonstrate excellence in volleyball, sportsmanship and community service.

Eligibility: Available to student athletes in any program (excluding the Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

Ernest Brehaut Memorial Bursaries

students if they maintain creditable academic standing and show genuine need.

Eligibility: These bursaries were established by the gift of Mrs. Ernest Brehaut of Colorado Springs, USA, in memory of her husband, a distinguished graduate of Dalhousie, Harvard and Columbia. Preference is to be given to relatives of the late Dr. Brehaut.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Lt. (E) Harry J. Brewer, MBE, CD, RCN (Ret.), Memorial Bursary

A memorial bursary fund has been established to provide financial assistance to a full-time student who is enrolled in a degree or diploma program.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Isabel Brown Scholarship

The scholarship was endowed in 1982 by the Brown family under the auspices of the Women's Division of the Dalhousie Alumni Association. The interest provides an annual scholarship ordinarily to a student who is entering the final undergraduate year.

Eligibility: Available to a final year undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Robert Bruce Scholarships

The University is a beneficiary of a bequest from the late Robert Bruce of Quebec whereby a portion of the annual income is to be used for both entrance and in-course scholarships, and for bursaries.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Robert Bruce Bursaries

Several bursaries tenable in the third year of an Arts or Science course, will be awarded to students of promising abilities but of straitened circumstances.

Eligibility: Available to students entering third year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Minnie F. Burbidge Scholarships

In her Will the late Minnie F. Burbidge bequeathed the residue of her Estate to Dalhousie University. In 1945 the sum of \$16,000 was endowed to provide undergraduate, usually in-course, scholarships.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

George Burris Scholarship

The scholarship was established by Mary Burris and Grace Burris in memory of their father, George Burris, to support Dalhousie students wishing to study in England as part of their academic program. Scholarships are awarded on the basis of academic and extracurricular excellence, financial need, and international experience. Open to Dalhousie University upper year Canadian students who have applied for admission to participate in an International Program/Placement in England. Students must submit application a minimum of one month before departure.

Eligibility: Available to upper-year Dalhousie students participating in a study abroad or exchange program in England.

Application Type: Contact the International Centre for more information

Value: \$5,000

The Katherine M. Buttenshaw Prize

This prize will be awarded annually to the student standing highest in the advanced Mathematics courses.

Application Type: Automatic Consideration – No Application Required

George H. Campbell Memorial Scholarship

In 1917 Mr. and Mrs. G. S. Campbell established the George H. Campbell Scholarship Fund to provide annual scholarships in memory of their late son, George Henderson Campbell.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture)

Application Type: Automatic Consideration – No Application Required

Howard C. Clarke International Study Award

An endowment fund to assistance a Dalhousie student who is participating in a recognized study abroad or exchange program for academic credit. Student must demonstrate great financial challenges.

Eligibility: Available to an undergraduate Dalhousie student participating in a study abroad or exchange program.

Application Type: Contact the International Centre for more information

The Rebecca Cohn Bursary Fund

A gift of \$4,000 by the executors of the Estate of the late Rebecca Cohn provides an endowed bursary fund for needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dorothy Macdonald Crummey Memorial Bursary

This bursary was established by the family of the late Dorothy Macdonald Crummey (1912-2005) who was born in Little Harbour, Pictou County. She attended Halifax Ladies College (an affiliate of Dalhousie University) and graduated with a diploma in Household Science in 1932. Like many educated women of her generation, Dorothy did not work outside the home after marriage to Dr. Clarence Crummey (MD 1932). Nevertheless, she actively supported university students remembering her own efforts to fund her education during “The Great Depression”. Bursaries will be available to students enrolled in any undergraduate degree program from Nova Scotia with a preference for students from Pictou County. Apply through the general online bursary program.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and preferably graduated from a high school in Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Leadership Bursaries

A limited number of bursaries are available annually to students who have exhibited a record of considerable leadership achievement. Candidates must also demonstrate consistent satisfactory academic accomplishment. The Selecting Committee may consider such other matters as financial need, service to the University and the community, and character. Submit completed forms to the Department of Athletics and Recreation, which will forward your application with supplementary information.

Application Type: Contact the Department, School, or College for more information

Dalhousie Memorial Bursary Fund

From time to time at Dalhousie contributions have been made to the University as a memorial subscription in honour of some student or former student. Until now there has been no proper place into which these funds could be channeled. Because of these occurrences a Dalhousie Memorial Bursary Fund has been established. The existence of the fund will be commemorated by a book of remembrance to be located in a prominent place in the Killam Library. Names of persons in whose memory contributions have been made by relatives, friends, individuals or groups, to the Memorial Fund will be recorded in the book, along with the date of their birth and death. The pages will be turned on a regular basis. All money contributed to the Fund will be invested by the Board of Governors and only the investment income will be awarded. The award will be available to any full-time Dalhousie student, already registered and in attendance at courses, who can show a need for additional support.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie Student Union Student Accessibility Award

This award is open to Dalhousie students with a permanent disability (physical, mental or learning impairment). Applicants must apply by writing, taping or filming a personal statement on why they could benefit from this award. Interested students should contact the Vice-President, Internal, Dalhousie Student Union for additional

details and application deadline.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: See dal.ca/scholarships for more information

Dalhousie Student Union Student Wise Health Plan Bursary

To provide financial aid to an undergraduate student or students who are covered by the DSU health care plan.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dalhousie University Undergraduate Bursaries

Students who are registered in six credit hours per term will be considered for bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15 (fall), February 15 (winter), June 15 (spring and summer)

Alfred George Darville Memorial Bursary

This fund provides one bursary to a qualifying Dalhousie student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Halifax West High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Frank R. Davis Memorial Scholarships

These scholarships are made possible by a fund established by Mrs. Davis in memory of her late husband, the Hon. Frank R. Davis, Minister of Public Health in the government of Nova Scotia and a graduate of this University. The scholarship will be awarded to deserving graduates of Bridgewater High School, on the nomination of the Supervisor of Schools and the Senior High School Staff. In selecting candidates, the governing considerations will be scholastic standing, unselfishness of purpose, and interest in the common good.

Eligibility: Available to entering students from Bridgewater Jr./Sr. High School.

Application Type: Automatic Consideration – No Application Required

Audrey-Lea Dawson Memorial Bursary

A memorial bursary is open annually to one or more female students enrolled in the Bachelor of Science program who have demonstrated financial need and satisfactory academic standing.

Eligibility: Available to current female students in the Bachelor of Science program at Dalhousie.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dharma Master Chuk Mor Memorial Scholarship

T.Y. Lung established this scholarship in memory of Buddhist monk Chuk Mor (1913-2002) who was an educator and artist well known in the fields of Chinese poetry, Chinese painting and Chinese calligraphy. This in-course scholarship is available to a full-time undergraduate student who has attained a high standard of academic achievement and who has completed a minimum of one year in any undergraduate degree program.

Eligibility: Available to a current full-time undergraduate student.

Application Type: Automatic Consideration – No Application Required

Charles Robert Raefe Douthwaite Memorial Bursary

To honour the memory of Charles Robert Raefe Douthwaite, an endowment was established to provide bursaries for students graduating from Nova Scotia high schools.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from a high school in Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John Dunlop Memorial Bursary

An endowment to provide a bursary to an academically sound student from a rural area.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of a rural area.

Application Type: General Online Bursary Application

Application Deadline: October 15

Ken Dunn Memorial Prize

The fund which was established in memory of Ken Dunn will provide an annual prize to a student who has completed the third year of an Honours program in Mathematics or Statistics, or a combined Honours program in Mathematics and Statistics.

Application Type: Automatic Consideration – No Application Required

Shawn Dupuis Memorial Prize

This prize was established in memory of Shawn Dupuis of Dartmouth, Nova Scotia who was a member of the varsity swim team. This prize will be awarded at the first

AUS meet of the season held at Dalhousie to a Dartmouth Crusader Swimmer entering his/her first year of study at Dalhousie University. Preference will be given to students who are enrolled in a class from the Bachelor of Commerce program or the Spanish and Latin American Studies Department, Faculty of Arts and Social Sciences.

Eligibility: Available to a former member of the Dartmouth Crusaders Swim Team entering an undergraduate program at Dalhousie.

Application Type: Contact the Department of Athletics for more information

Value: \$300

Marjorie F. Ellis Scholarships

The late Marjorie F. Ellis bequeathed one-half of the remainder of her estate to Dalhousie University for scholarships to worthy students.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

European Union Centre of Excellence (EUCE) Prize

Prize awarded by EUCE for the best essay on Europe and the European Union.

Eligibility: Available to any Dalhousie student.

Application Type: Contact the Department, School, or College for more information

Value: \$100

Ross Faulkner Scholarships

The University received from the Estate of Julia L. Faulkner a bequest to provide scholarships in memory of her husband, Dr. Ebenezer Ross Faulkner.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The SLT Bruce Galloway Memorial Prize

Friends, family and shipmates of Sub-Lieutenant Bruce David Galloway, a member of the Ship's Company of H.M.C.S. Fraser and a 1983 Arts graduate of Dalhousie, have established a memorial fund. The prize is to be awarded to the student, male or female, attending Dalhousie University on the Regular Officer Training Plan who attained the highest academic standing (not less than a passing standing) in the program in which he or she is enrolled. A prize is to be awarded in each year in which there is a student attending Dalhousie on the Regular Officer Training Plan who achieves a passing standing.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Governors' Awards

In 1992, to mark the 125th anniversary of the founding of the Dalhousie Student Union, and to recognize students' contribution to the quality and vitality of the University, the Board of Governors established a set of awards to be known as Governors' Awards. Up to four awards can be made each year, for exceptional contributions or leadership in the extracurricular realm in such areas as university governance, development of a sense of community on campus, community service, internationalizing the campus, visual or performing arts, minority access or athletics. To be eligible, students must have a minimum cumulative GPA of 3.0 or equivalent. Otherwise, all students - undergraduate, graduate, or professional faculty students, full or part-time, at any stage in their academic career, may be considered for an award. Information is available on the Student Services website.

Application Type: Contact the Department, School, or College for more information

Governor General's Silver Medal

Offered by His Excellency the Governor General of Canada, this medal is awarded to the undergraduate student who has achieved the highest academic standing among graduates of baccalaureate programs.

Application Type: Automatic Consideration – No Application Required

The Graham Family Athletic Awards

John and Lina Graham have established the Graham Family Athletic Awards, which recognize the contributions that varsity student athletes make in enriching the quality of life at Dalhousie University. Awards are available to entering and continuing varsity athletes. Award recipients should demonstrate positive attributes in the areas of citizenship, sportsmanship and community service.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

MacCallum S. Grant Charitable Foundation Bursary

The MacCallum S. Grant Charitable Foundation supports a number of bursaries for Dalhousie University students each year. First priority will be given to students who have lived in Halifax County, Guysborough County and Preston for a period of at least two years immediately prior to receiving a bursary. Students from the former City of Halifax, Dartmouth and the town of Bedford are not eligible to receive a bursary.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Enid Hager Clarke Textbook Fund

A bequest from the Estate has set up an endowment from which to award bursaries to assist students from certain geographic areas of New Brunswick. Students who are domiciled in King's and Saint John counties are eligible under the terms of the bequest.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

W. L. Harper Scholarship

From the Estate of Arta Falconer Harper a bequest to the University makes possible the provision of a number of awards from the annual income.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie M. Harrison Bursary

The annual income from the bequest of \$5,000 from the Estate of Annie M. Harrison provides a number of bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Alice M. Haverstock Bursary

From the Estate of Gertrude H. Fox came a bequest to endow a bursary fund in the name of Alice M. Haverstock.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Hertzman Prize

In 1997 an endowment was established to fund an annual prize in memory of Dr. Victor Hertzman. The Faculty of Science awards the Hertzman Prize to the first year Bachelor of Science student who has achieved the highest GPA on the Dean's List.

Application Type: Automatic Consideration – No Application Required

Dr. Mary G. Hickman Memorial Scholarship

Under the will of Theresa Rose Hickman, this scholarship fund was established in memory of her late daughter Mary Hickman, MD 1972. This fund provides scholarships in recognition of academic excellence at Dalhousie.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

The Annette S. Hill Bursaries

The University received an endowment under the Will of the late Annette S. Hill to set up a fund, the income to be used to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Wilfred E. Hillis Bursary

The late Mrs. Olga Munro Hillis made provision for the establishment of the Wilfred E. Hillis Bursary Fund.

Eligibility: Available to students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Mr. & Mrs. H. D. Howitt Scholarship

This scholarship was created to promote education and advancement of youth, to encourage achievement at the university level in both academic endeavors and in contributions to community life. The funds provide one or more annual scholarships to students enrolled full time in undergraduate degree programs. Awarded based upon academic excellence.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mary Urquhart Hudson Bursary

This bursary is provided by Mary E. Hudson to support an undergraduate student enrolled in the Faculty of Science.

Eligibility: Awarded to Bachelor of Science student at Dalhousie who is a full-time resident of Nova Scotia and who demonstrates financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The E. John Jordan Scholarships

Under the Will of the late E. John Jordan a bequest was left to the University for the purpose of funding entrance and in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Nimmi and Teji Kanwal Bursary

Mr. Tejinder (Teji) and Mrs. Nirmal (Nimmi) Kanwal have cared and impacted numerous lives over the years. Although now retired, both were successful and beloved teachers for over 30 years. They grew up in India where their parents were strong believers in education and supported their schooling. Teji came to Canada in 1962 and Nimmi joined him in 1967. Travelling around the world twice, their love of adventure and travel continued throughout their lives. Both received Masters degrees from Dalhousie. They are supports of equal rights for all, which includes their support for equal opportunities for teachers in Nova Scotia. As Teji puts it "If you can't do something for someone, you are a no one."

Eligibility: Awarded to an undergraduate Dalhousie student who is in good academic standing and demonstrates financial need, with preference to a female student.

Application Type: General Entrance Award Application

Application Deadline: October 15

The Khaki University Scholarships

From the Khaki University of Canada and the Young Men's Christian Association Memorial Scholarship Fund, the trustees of Khaki University made a gift to Dalhousie University in 1921 of \$6,500 to endow scholarships.

Eligibility: Available to entering and current undergraduate students (excluding students studying at the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Killam American Scholarship Fund

This endowment, established in memory of Isaac Walton Killam, provides entrance and in-course scholarships to citizens of the United States who are enrolled in undergraduate programs at Dalhousie University.

Eligibility: Available to entering and current undergraduate students who are US citizens (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Kostman Family Bursary

An endowment has been established in memory of Harry Kostman to provide one or more bursaries for undergraduate students of First Nations or African-Canadian descent who are graduates of TYP entering full-time studies. Harry Kostman had an enduring passion for education, and generously provided for his children and grandchildren while they attended university. Through this bursary, they strive to continue his legacy of support.

Eligibility: Available to full-time Black or First Nations undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and have completed the Transition Year Program at Dalhousie, with preference given to single parents.

Application Type: General Online Bursary Application

Application Deadline: October 15

Laing Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Laing Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,000 award is tenable during the period of May 1st to August 31st and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the Darrell and Emily Laing Foundation.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

Ann Lavers Howe Hall Bursary

The Ann Lavers How Hall Bursary was founded, by alumni and friends of Howe Hall, to provide financial assistance to a Dalhousie student who is a current Howe Hall resident. It is named in honour of Ann Lavers, staff member of Howe Hall from 1967-1994, who befriended many residents over her term of employment, in a variety of positions, at Howe Hall. The recipient must have made a positive contribution to the residence community at Howe Hall. Application information is posted within the residence each January.

Eligibility: Available to a Dalhousie student who is a current resident of Howe Hall, who is in good academic standing, and has demonstrated financial need.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ralph and Frances Lewis Jeffery Scholarship

From the Estate of Frances E. Jeffery came a bequest in 1979 to endow a scholarship which is to be awarded to a student who has completed the final year of an Honours degree in Mathematics, and who has maintained at least a second-class standing during the first three years of the class.

Application Type: Automatic Consideration – No Application Required

Annie E. Longard Memorial Bursary

An endowment has been established to provide an annual bursary in memory of an accomplished alumna and long-time participant in the Women's Division of the Dalhousie Alumni Association.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Robert and Katherine MacDonald Award

An endowment has been established to provide an annual prize for Chinese students at Dalhousie. The recipient will be engaged in undergraduate studies and be a member of the Dal-TUNS Chinese Students' Association or its successor. The recipient will have demonstrated good academic achievement combined with leadership qualities and contribution to University life. The Association will recommend a candidate or candidates to the Head of Student Services.

Eligibility: Available to an undergraduate Chinese student who is a member of the Dalhousie Chinese Students and Scholars Association.

Application Type: Automatic Consideration – No Application Required

The W. Andrew MacKay Alumni Scholarship

The Dalhousie Alumni Association established an annual scholarship in honour of Dr. W. A. MacKay, a former president of the University. The scholarships are available to students who have demonstrated high academic standing (GPA of at least 3.30) and who have shown an excellence in qualities of leadership, citizenship and sportsmanship. Candidates are considered by nomination by their Department or School in the fall of each year.

Eligibility: Available to current undergraduate students in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: See dal.ca/scholarships for more information

MacKean Athletic Scholarship

The Margaret Louise MacKean Scholarships were established through the estate of Charlotte Louise MacKean. Through a bequest in her will, the Margaret Louise MacKean Scholarships will eternally benefit Dalhousie student athletes who have demonstrated athletic, academic and citizenship excellence.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mackenzie Trust Scholarships

According to the Estate of Thomas George Mackenzie a Trust Fund was established for Archibald F. Mackenzie, and later bequeathed to Dalhousie University to provide in-course scholarships.

Eligibility: Available to entering or current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Annie S. MacKenzie Class of 1911 Bursary

Under the will of the late Emelyn L. MacKenzie the University has been given a bequest to provide bursaries. Character and financial need are the main criteria. Eligibility: Available to current students in the Bachelor of Arts, Bachelor of Science, Doctor of Dental Surgery, Diploma of Dental Hygiene, Bachelor of Dental Hygiene, and Juris Doctor programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Victoria County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Rev. Kenneth Mackenzie Bursary

Mrs. Harriet Mackenzie Morrison of Stornoway, Scotland, daughter of the Rev. Kenneth Mackenzie of Pictou County, bequeathed \$1,000 to the university in 1887 to be used as a bursary fund.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

MacRae Athletic Scholarship

The Dr. Donald M. MacRae Basketball Scholarships were established by the late Dr. Donald M. MacRae to recognize the important roles played by the captains of the Dalhousie men and women's Basketball teams. These awards recognize three generations of the MacRae family who played for the Tigers including Dr. MacRae.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

Mathematics and Statistics Bursary Fund

An annual bursary to be awarded to a student enrolled in the second, third or fourth year of an undergraduate program, leading to a degree in Mathematics or Statistics at Dalhousie University.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Neil and Jessie Matheson Bursaries

Established under the will of Miss Margaret J. Matheson, Truro, the income from this fund provides several bursaries.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing, with preference given to students from the rural districts of Pictou County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Lloyd and Anne (McLane) Mattinson Bursary

This fund provides a bursary for a student with demonstrated financial need.

Eligibility: Candidates must be entering university directly from high school and have graduated from a high school in one of the following counties in Nova Scotia (in order of preference): Colchester County, Guysborough County, Cumberland County, Pictou County.

Application Type: General Entrance Award Application

Value: \$1,000

The Ellen McCaughin McFarlane Prize

A Fund has been established in memory of Ellen McCaughin McFarlane, Class of 1927. Initially, the Fund is to provide an annual prize to an Honours Mathematics student who at the end of his/her first year in the Honours program has achieved the highest standing.

Application Type: Automatic Consideration – No Application Required

The Kenneth and Lloyd McDonald Bursary

A gift of the McDonald family in 1976 makes possible the funding of an annual bursary to a deserving and needy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Hector McInnes Memorial Scholarships

In December 1937, an anonymous donor gave the University \$50,000 for undergraduate scholarships as a memorial to the late Mr. Hector McInnes.

Eligibility: Available to entering and current undergraduate students.

Application Type: Automatic Consideration – No Application Required

Elizabeth McKenna Bursaries

The Elizabeth McKenna Scholarship Fund was established in 1928.

Eligibility: Available to students in the first year of the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of one of the Maritime Provinces (NS, NB, PEI).

Application Type: General Online Bursary Application

Application Deadline: October 15

Military District No. 6 Provost Corps Bursary

The Number 6 Provost Mutual Association established this bursary fund to assist descendants of those members of the Canadian Provost Corps who served in Military District No. 6. Applicants must fulfill the Corps' selection criteria, show satisfactory academic progress and demonstrate financial need. There are several sets of criteria.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joe A. Muir Phi Kappa Pi Bursary

This bursary was established by Joe Muir to provide an annual bursary to a brother of the Phi Kappa Pi Fraternity. The Fraternity will provide Dalhousie a short list of second year students who have a demonstrated financial need. Please contact the Phi Kappa Pi Fraternity for the application form.

Eligibility: Available to current students in any program at Dalhousie University (excluding the Faculty of Agriculture). Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: See dal.ca/scholarships for more information

Application Deadline: September 30

The Clare Murray Fooshee Poetry Prize

One or more prizes will be awarded for the best poems, of any length, submitted by Dalhousie undergraduates. Established by friends in memory of the poetess Clare Murray Fooshee (BA 1924). Up to five poems may be submitted by each writer. Previous winners are ineligible. No award will be made unless a poem submitted is deemed to be of sufficient merit.

Eligibility: Available to any Dalhousie undergraduate student.

Application Type: Contact the Department, School, or College for more information

Value: \$900

The Carl Mushkat Memorial Scholarships

The Carl Mushkat Memorial Fund was established at Dalhousie University in 1979 as a bequest under the Will of the late Carl Mushkat. The fund provides scholarships to students in Mathematics or Science.

Eligibility: Available to entering and current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Natatorial Award

In honour of a former swim coach, Nigel Kemp, one or more annual awards are given to members of the Dalhousie University varsity swim team. Entering students must have achieved a minimum average of 80% from high school. Returning students must have achieved a minimum GPA of 3.0. Gender equity is considered by the selection body.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture). See award description for specific eligibility requirements.

Application Type: Contact the Department of Athletics for more information

NewPage-Port Hawkesbury Mill

On the occasion of their 25th Anniversary Stora Enso have established an endowment to provide one undergraduate scholarship open to students in Arts and Science. To be eligible, candidates must reside in Nova Scotia, have demonstrated academic excellence and have exhibited a desire to learn. Students will be considered after one year at Dalhousie.

Eligibility: Available to current undergraduate students in the Faculty of Arts and Social Science and the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Tung Chun Ngan Memorial Bursary

To provide a bursary to a first year student who has demonstrated financial need. First preference will be given to a Pharmacy student.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture and Planning, Arts and Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program.

Application Type: General Online Bursary Application

Application Deadline: October 15

Reverend J. W. A. Nicholson Bursaries

This Fund was established in commemoration of the unselfish life of a distinguished Dalhousie graduate (BA 1897). One of his concerns was to help young people discover their talents.

Eligibility: Available to full-time Black students in the Bachelor of Arts or Bachelor of Science programs at Dalhousie. Applicants will have demonstrated financial need, have satisfactory academic standing, and be a resident of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Tom Norwood Bursary

The fund was established by Barbara Nielson to honor the memory of her son, Tom Norwood. First priority will be given to Canadian Citizens from Nova Scotia.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Senator Donald Oliver Bursary for Black Atlantic Canadians

Hugh J. Maccagno and Senator Donald Oliver (LLB 1964) established this bursary in 2004 to assist Black Atlantic Canadians in pursuing post-secondary educational opportunities at Dalhousie University.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Frederick Thomas Parker Award for Part-Time Studies

This award will provide an appropriate and flexible means of encouraging students intending to undertake degree or diploma studies at Dalhousie on a part-time basis. The selection committee will take into account both academic performance and financial need, depending upon circumstances. Applications are available at the College of Continuing Education.

Eligibility: Available to part-time undergraduate students.

Application Type: Contact the Department, School, or College for more information

The Alan Pollok Scholarship

This scholarship was established by The Scots North British Society in Halifax in memory of the Rev. Dr. Alan Pollok. The awardee will be a second year student in the College of Arts and Science at Dalhousie University.

Eligibility: Available to second year students in the Faculty of Arts & Social Sciences or the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Value: \$1,000

The Warren Publicover Class 1925 Memorial Bursary

The Warren Publicover Class 1925 Memorial Fund was established in memory of Warren Publicover. The annual income from this fund is to be awarded in the form of a bursary for an individual who has successfully completed one year of university work at Dalhousie and is continuing as a full time student at this University. The bursary is to be awarded on the basis of satisfactory academic performance and demonstrated financial need, and is subject to renewal provided that the original requirements are maintained. It is a condition of the gift that applicants for this bursary need not have availed themselves of governmental funding as is usually required by the University.

Eligibility: Available to full-time undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Gordon S. Rankin Memorial Scholarship

Gordon Rankin, born in Halifax in 1933, graduated from Dalhousie in 1957 with a Bachelor of Commerce degree. He played both varsity football and basketball, holding the position of Captain for a period of time on both teams. As a continuing tribute to Gord, this scholarship was formed to assist athletes in financing their studies while attending Dalhousie University.

Eligibility: Available to student athletes in any program at Dalhousie University (excluding the Dalhousie Faculty of Agriculture).

Application Type: Contact the Department of Athletics for more information

The George B. Robertson Phi Delta Theta Fraternity Scholarship

An endowment has been established to provide a scholarship to a student at Dalhousie University. The selection of the awardee is based on several factors including a minimum Grade Point Average of 3.00, demonstrated activity in the Halifax Chapter, and financial need.

Eligibility: Available to students in third year or higher in any program (excluding the Faculty of Agriculture). Applicants must be attending university as full-time students.

Application Type: See dal.ca/scholarships for more information

The Lois J. Robertson Scholarships

The University received a generous bequest from the Estate of the late Lois Robertson.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Mr. and Mrs. Morris Saffron Bursary

Established to provide financial assistance to students who are residents of the town of Springhill, Cumberland County.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Springhill, Cumberland County, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Leslie Shaw Bursary

This bursary was established by Allan, Gabrielle, and Sarah Shaw for Leslie Shaw to honour her and to celebrate her 60th birthday. Leslie Shaw dedicates her professional and volunteer life to the betterment of our society. This bursary is awarded annually to permanent residents of Canada and/or international students whose first language is not English. First preference will be given to students who are either permanent residents or intending to become permanent residents of Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

Yau Hing Shum-Ngan Memorial Bursary

Dr. Ngan established this bursary in memory of his mother, Yau Hing Shum-Ngan. The bursary shall be awarded to a first year undergraduate student enrolled with the Faculty of Science with demonstrated financial need.

Eligibility: Available to students entering first year of study in the Faculty of Science at Dalhousie University. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Slight Family Foundation Scholarship for African Students

The Slight Family Foundation Scholarship for African Students is a renewable scholarship valued at \$25,000 per year and is funded by a very generous gift by the Slight Family Foundation. The scholarship will be awarded annually to a full-time undergraduate student who resides in Africa and is either entering into their first year or returning (current) year of studies in any program at Dalhousie University. To be eligible, candidates must demonstrate financial need, hold good academic

standing, and demonstrate involvement in their community.

Eligibility: Available to entering and current undergraduate students who are permanent residents of Africa.

Application Type: Automatic Consideration – No Application Required

Lenore Smith Cumming Bursary

From the Estate of Charles Gordon Cumming came a bequest of \$10,000 US to endow a bursary fund to assist needy students.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, with preference given to graduates of Naparima College in Trinidad.

Application Type: General Online Bursary Application

Application Deadline: October 15

Charles A. Smith Memorial Bursary

Charles A. Smith was a Black Nova Scotian born in 1926. He pursued his career on the railway, starting as a sleeping car attendant and retiring at a senior level in customer service with Via Rail. This renewable bursary will be available to assist one or more Nova Scotia Black students who are single parents enrolled in undergraduate studies at Dalhousie.

Eligibility: Available to Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need, have satisfactory academic standing, and be residents of Nova Scotia. See award description for specific eligibility requirements.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Ross Stewart Smith Scholarships

A significant bequest established these memorial scholarships for students who excel in the sciences or mathematics.

Eligibility: Available to current undergraduate students in the Faculty of Science.

Application Type: Automatic Consideration – No Application Required

Faye Sobey Undergraduate Research Award

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Faye Sobey Award must be in a 20 credit BSc program at Dalhousie University or at King's College. The \$5,500 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award(s) are distributed to the best applicant(s) on behalf of Faye (Naugle) Sobey, who graduated from Dalhousie University in 1953 with a major in biochemistry. The Faye Sobey Award is the top Faculty of Science undergraduate research award.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: 5500

Betty Spencer Scholarship

Betty Spencer was born in Saint John, New Brunswick in 1916. She graduated from Saint John Vocational School and worked for a time at Wasson's Pharmacy where she met her husband. They retired in Bangor, Maine and later in St. Andrews, New Brunswick. Although Betty had no specific connection to Dalhousie, she generously bequeathed this endowment through her Will. Preference is given to students from the Atlantic provinces.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Rt. Honourable Robert L. Stanfield Bursary

Established by the Windsor Foundation in recognition of the contributions of the Rt. Honourable Robert L. Stanfield.

Eligibility: Available to full-time Black undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Joseph Duncan Stewart Scholarships

A bequest under the Will of the late Joseph Duncan Stewart has made possible the funding of undergraduate scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Study Work International Fund (SWIF)

SWIF has been established by Dalhousie University, as part of the Student Assistance Program, to provide financial assistance to Dalhousie and King's students who wish to undertake international placements as part of their educational experience. Students must submit application a minimum of one month prior to departure.

Eligibility: Available to Dalhousie and King's students taking part in an international placement.

Application Type: Contact the International Centre for more information

Supertemp Bursary

This bursary is awarded annually to a Mature undergraduate student who has demonstrated financial need.

Eligibility: Available to mature undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Value: \$1,000

TD Bank Financial Group Bursary

This bursary is available to part-time or full-time students who demonstrate financial need. Recipients may be residents of any province or territory in Canada.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The John L. and Glenna E. Towse Scholarships

A bequest to the University provides for a number of in-course scholarships.

Eligibility: Available to current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

Dean and Marie Trimper Bursary

Provides one or more bursaries to students who have graduated from Sir John A. MacDonald High School.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program entering directly from high school. Applicants will have demonstrated financial need, have satisfactory academic standing, and have graduated from Sir John A. MacDonald High School, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

Helen Tupper Memorial Bursary

Provides one or more bursaries for students in their first year of an undergraduate degree program at Dalhousie University.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

Dr. Gerald Turner Bursary

An endowment has been established to provide a bursary to assist a needy student from Cape Breton in first year.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and be permanent residents of Cape Breton, Nova Scotia.

Application Type: General Online Bursary Application

Application Deadline: October 15

University Medal in Statistics

The Department established this medal to be awarded to the student who stands highest among the First Class Honours graduates in the Statistics program.

Application Type: Automatic Consideration – No Application Required

University Silver Medal

This medal is awarded to the student who is judged to be the leading First Class Honours student among graduates of baccalaureate programs. The recipient cannot have received the Governor General's Silver Medal.

Application Type: Automatic Consideration – No Application Required

Barry Ward Fawcett Memorial Prize

Established by friends and colleagues of the late Dr. Barry Ward Fawcett who was an associate professor of Computing Science from 1982 until his untimely death at age 50 in 1991. This prize is awarded annually to a student who has completed between 30 and 60 credit hours, registered in a Mathematics or Statistics program, and has achieved the highest grade in MATH/CSCI 2113 (Discrete Structures II).

Application Type: Automatic Consideration – No Application Required

Warr Summer Undergraduate Research Awards

Undergraduate students wishing to obtain research experience under the supervision of a grant holding faculty member over the summer should submit the NSERC Undergraduate Summer Research Award application to their department. Eligible students for the Warr Award must be in a 20 credit BSc program at Dalhousie University or at King's College and be both born in Nova Scotia and bona fide residents of Nova Scotia. The \$5,000 award is tenable during the period of May 1 to August 31 and is supplemented by additional funds. The award is distributed to the best applicant(s) on behalf of the John Richard Freeman Warr Memorial.

Eligibility: Available to current students in the Bachelor of Science program at Dalhousie University or the University of King's College. See award description for specific eligibility requirements.

Application Type: Contact the Department, School, or College for more information

Value: \$5,000

The Waverly Prize

This prize will be awarded annually to the student with the highest standing in Mathematics 1010.

Application Type: Automatic Consideration – No Application Required

Women's Division Bursaries

A number of bursaries, based on financial need, will be offered directly from the Women's Division of the Dalhousie Alumni Association. A separate essay and one page application will also be required to be submitted to the Alumni Office addressed to the Chair of the Scholarship Committee, Women's Division.

Eligibility: Available to undergraduate students registered in the Faculty of Architecture & Planning, Arts & Social Sciences, Computer Science, Engineering, Health Professions, Management, Science, or the Dental Hygiene program. Applicants will have demonstrated financial need and have satisfactory academic standing.

Application Type: General Online Bursary Application

Application Deadline: October 15

The Women's Division of the Dalhousie Alumni Association Scholarships

Open to a returning female student demonstrating academic excellence.

Eligibility: Available to a current undergraduate female student.

Application Type: Automatic Consideration – No Application Required

Sir William Young Scholarship

This fund was left by Sir William Young for the purpose of endowing scholarships.

Eligibility: Available to entering and current undergraduate students (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required

The Charles and Cecelia Zwerling Scholarship

This fund was created by members of the Zwerling family in memory of Mr. and Mrs. Charles Zwerling for a scholarship beyond first year.

Eligibility: Available to a current undergraduate student (excluding the Faculty of Agriculture).

Application Type: Automatic Consideration – No Application Required